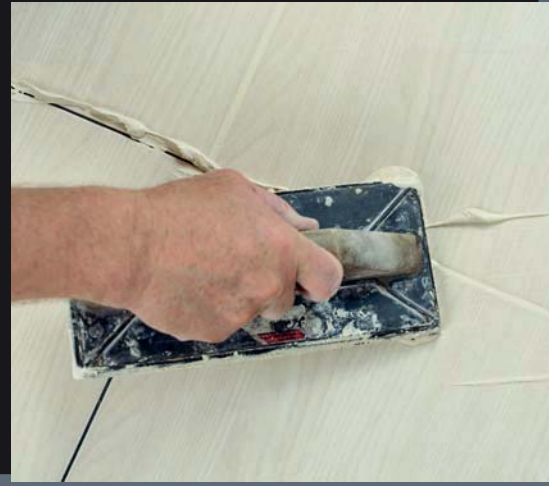




lotti
building chemicals

**CONSTRUCTION
SOLUTIONS**



LOTTI continues its development and now offers you a wide range of Special Products covering the 6 areas of applications below:

- Tile Adhesives and Joint Fillers
- Waterproofing
- Floor & Wall Coverings
- Mortars & Anchoring
- Sealing & Bonding
- Additives & Priming

All of these products are manufactured in Turkey with utmost attention of quality and has the necessary certifications. Lotti proudly presents a whole image with high quality, durable, easily applied, environmental friendly products.





“Chemical Power of the Building ”



www.lotti.com.tr



STANDARD & TECHNICAL
adhesives



LOT 101 REGULAR CIT

Tile and Ceramic Adhesive

It is a cement based, small size tile and ceramic adhesive mortar with reduced slip properties.



Places of Usage

- Indoors,
- Vertical and horizontal applications,
- For adhesion of small size floor and wall ceramic with water absorption rate above 3%,
- For bonding small size tiles and ceramics to cement based surfaces.

Features / Advantages

- It is used indoors.
- It is easy to prepare and apply.
- It has long penetrating time.
- It does not collapse.
- It can be applied safely on horizontal and vertical surfaces.
- It does not sag in vertical applications, it provides application possibility from top to bottom.
- It is resistant to water and frost.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with Termatec Repair Mortars two days in advance. If the temperature of the surface to be applied is above +25°C, the surface should be moistened.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **LOT 101** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 101 layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 101** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 20 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 101** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size.



Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe powder, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 101** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)
In 20 kg kraft bags.

1001 Süper

Quality Certificates:

Manufactured according to TS EN 12004.

C: Cement based

1 : Normal hardening (Standard performance),

T: Reduced slip property

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

Gray and white colored powder
12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature

(+5 °C) - (+35 °C)

Mixing ratio

6-7 lt water / 25 kg powder

Pot Life

4 hours

Slip (EN 1308)

≤ 0,5 mm

Open Waiting Time (EN 1346)

0,5 N/mm² after at least 20 min

Getting Into Use Time

24 hours on wall - 2 days on floor

Consumption

Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)

- Initial

≥ 0,5 N/mm²

- After Water Immersion

≥ 0,5 N/mm²

- After Become Wet With Heat

≥ 0,5 N/mm²

- After freeze-thaw cycles

≥ 0,5 N/mm²

Temperature Resistance

(-40 °C) - (+80 °C)

Dangerous Goods (EN 12004)

See Safety Data Sheet.

Reaction to Fire

A1



LOT 102 SUPER CITE

Tile and Ceramic Adhesive

It is a cement based, small and medium sized tile and ceramic adhesive mortar with reduced slip, long working time.



Places of Usage

- Indoors and outdoors,
- Vertical and horizontal surfaces,
- For adhesion of small size floor and wall ceramic, mosaic and similar materials with water absorption rate above 3%,
- Used for bonding on tiles, ceramics, bathrooms.

Features / Advantages

- Easy to apply.
- It has long penetrating time, saves time and labour.
- Allows long-term correction of bonded plates.
- It is resistant to water and frost.
- It provides high stability and does not sag in vertical applications.
- Provides top down laying.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with **Lottifix** Repair Mortars two days in advance. If the temperature of the surface to be applied is above +25°C, the surface should be moistened.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **LOT 102** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 102 layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 102** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 102** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size.



Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe powder, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 102** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)
In 20 kg kraft bags.

Quality Certificates:

Manufactured according to TS EN 12004.

C: Cement based

1 : Normal hardening (Standard performance),

T: Reduced slip property

E: Prolonged working time

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

Gray and white powder

12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature

(+5 °C) - (+35 °C)

Mixing ratio

6-7 lt water / 25 kg powder

Pot Life

4 hours

Slip (EN 1308)

≤ 0,5 mm

Open Waiting Time (EN 1346)

0,5 N/mm² after at least 30 min

Getting Into Use Time

24 hours on wall - 2 days on floor

Consumption

Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)

- Initial

≥ 0,5 N/mm²

- After Water Immersion

≥ 0,5 N/mm²

- After Become Wet With Heat

≥ 0,5 N/mm²

- After freeze-thaw cycles

≥ 0,5 N/mm²

Temperature Resistance

(-40 °C) - (+80 °C)

Dangerous Goods (EN 12004)

See Safety Data Sheet.

Reaction to Fire

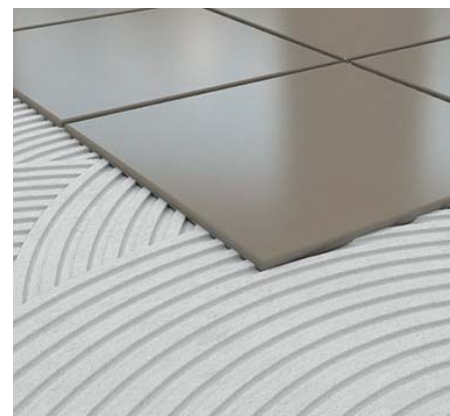
A1



LOT 201 FLEX C2T

Granite Adhesive

It is cement based granite adhesive mortar with high performance for floor.



Places of Usage

- Indoor and outdoor applications,
- Application of small and medium sized plates such as granite ceramic, porcelain to smooth or irregular concrete surfaces,
- Balconies, terraces, wet areas,

Features / Advantages

- Easy to prepare and apply.
- Since it is not necessary to apply adhesive mortar on the back surface of the plates, the application speed increases.
- Thanks to its flowing consistency, it is easily and quickly applied to the surface with a toothed comb.
- It has long penetrating time.
- It has high adhesion strength.
- Resistant to freeze-thaw cycle.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with Repair Mortars two days in advance. If the temperature of the surface to be applied is above + 25°C, the surface should be moistened.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **LOT 201 FLEX** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 201 FLEX layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 201 FLEX** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 20 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 201 FLEX** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size.

Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe powder, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 201 FLEX** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Gray and white powder
Shelf Life 12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+35 °C)
Mixing ratio 6,0-7,5 lt water / 25 kg powder
Pot Life 6 hours
Open Waiting Time (EN 1346) 0,5 N/mm² after at least 30 min
Getting Into Use Time 24 hours on wall - 2 days on floor
Consumption Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)
-Initial ≥ 1 N/mm²
-After Water Immersion ≥ 1 N/mm²
-After Become Wet With Heat ≥ 1 N/mm²
-After freeze-thaw cycles ≥ 1 N/mm²
Temperature Resistance (-40 °C) - (+80 °C)
Dangerous Goods (EN 12004) See Safety Data Sheet
Reaction to Fire A1

Quality Certificates:

Manufactured according to TS EN 12004.
C: Cement based
2: High performance



LOT 202 POWER C2TE

Granite Adhesive

Cement based floor and wall granite adhesive mortar with high performance, reduced slip property.



Places of Usage

- Horizontal and vertical applications in Indoor and outdoor,
- Application of small and medium sized plates such as granite ceramic, porcelain to smooth or irregular concrete surfaces,
- Balconies, terraces, wet areas,

Features / Advantages

- Easy to prepare and apply.
- Since it is not necessary to apply adhesive mortar on the back surface of the plates, the application speed increases.
- Thanks to its flowing consistency, it is easily and quickly applied to the surface with a toothed comb.
- It has long penetrating time.
- It has high adhesion strength.
- Resistant to freeze-thaw cycle.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with **Lottifix Repair Mortars** two days in advance. If the temperature of the surface to be applied is above +25°C, the surface should be moistened.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with the flat side of the trowel. **LOT 202** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 202 layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 202** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 20 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 202** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size.

Lottifix Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe dust, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 202 POWER** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

Quality Certificates:

Manufactured according to TS EN 12004.

C: Cement based
2 : High performance
T : Reduced slip property
E : Prolonged working time

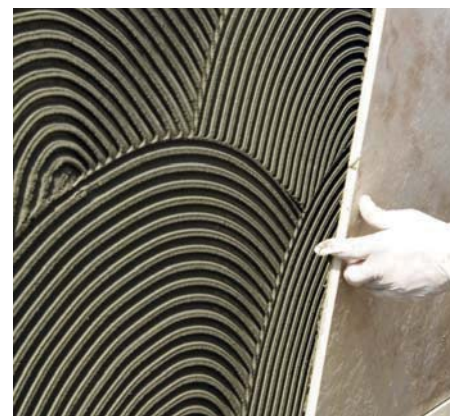
| TECHNICAL SPECIFICATIONS | | (23 °C and 50% Relative Humidity) |
|--------------------------------|---------------------------------------------------------------------------|------------------------------------|
| GENERAL INFORMATION | | |
| APPEARANCE | | |
| Shelf Life | Gray and white powder 12 months in unopened package in dry environment | |
| APPLICATION INFORMATION | | |
| Application Temperature | (+5 °C) - (+35 °C) | |
| Mixing ratio | 6-7,5 lt water / 25 kg powder | |
| Pot Life | 4 hours | |
| Slip (EN1308) | ≤ 0,5 mm | |
| Open Waiting Time(EN 1346) | 0,5 N/mm ² after at least 20 min | |
| Getting Into Use Time | 24 hours on wall - 2 days on floor | |
| Consumption | Average 4-5 kg/m ² | |
| PERFORMANCE INFORMATION | | |
| Adhesion Strength (EN 1348) | | |
| -Initial | ≥ 1 N/mm ² | |
| -After Water Immersion | ≥ 1 N/mm ² | |
| -After Become Wet With Heat | ≥ 1 N/mm ² | |
| -After freeze-thaw cycles | ≥ 1 N/mm ² | |
| Temperature Resistance | (-40 °C) - (+80 °C) | |
| Dangerous Goods (EN 12004) | See Safety Data Sheet | |
| Reaction to Fire | A1 | |



LOT 204 SUPERFLEX C2TES1

Flex Granite Adhesive

It is S1 Class flexible, cement based granite adhesive mortar with high performance, reduced slip property, long working time.



Places of Usage

It gives excellent results;

- Horizontal and vertical applications in indoor and outdoor,
- Bonding of ceramic, granite, marble, porcelain, natural stone, glass mosaic and pressed bricks to cement based surfaces subject to temperature differences,
- After priming the surfaces affected by temperature changes such as gypsum-plaster board, gypsum-plaster, heat-gas concrete with Termactect Plaster, bonding of ceramic, granite, marble, natural stone and glass mosaic on it,
- In wet areas such as swimming pools, water tanks, bathrooms, etc, floor heating floors, heated pools, thermal pools, swimming pools where water is not drained in winter,
- Wall and floor coverings of cold storage depots,
- In ceramic and granite bonding works on the facades of buildings, renovation and repair works, and ceramic bonding works on ceramics.

Features / Advantages

- It has long penetrating time.
- Easy to prepare and apply.
- Does not slip in vertical applications.
- Resistant to freeze-thaw cycle.
- Resistant to stresses and vibrations caused by temperature differences.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with **Lottifix Repair Mortars** two days in advance. If the temperature of the surface to be applied is above +25°C, the surface should be moistened.

On Plaster Based Surfaces, Lottifix Plaster is applied on gypsum-paper board, gypsum-plaster, gas concrete, lime stuff and chipboard with high absorbency. Adhesion can be started 5 minutes after the primer application. **Wood Particleboard Surfaces (OSB and Chipboards)**, Wood particleboards should contain a maximum moisture content of 10%. Wood particleboard (V100) applied to the floors should be minimum 25 mm and 19 mm for the walls. The boards should be screwed to the surface at 30 cm intervals. The edge joint must be at least 8 mm wide. At the joints of the chips, grooves should be opened and filled with Joint Sealant. Wood paperboards should be primed with Termactect Plaster in dry environments.

If the boards are in place that exposed to moisture (exterior), it is applied with Fully Flexible Waterproofing Material in two layers and mesh reinforced.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **LOT 204** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained.

After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 204 SuperFlex layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 204 SuperFlex** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 204 SuperFlex** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size. Termactect Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 204 SuperFlex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

Quality Certificates:

Manufactured according to TS EN 12004.

- C : Cement based
- 2 : High performance
- T : Reduced slip property
- E : Prolonged working time
- S1 : Flexible

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life Gray and white powder
12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+25 °C)
Mixing ratio 6-7,5 lt water / 25 kg powder
Pot Life 4 hours
Slip (EN1308) ≤ 0,5 mm
Open Waiting Time (EN 1346) 0,5 N/mm² after at least 20 min
Getting Into Use Time 24 hours on wall - 2 days on floor
Consumption Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)
-Initial ≥ 1 N/mm²
-After Water Immersion ≥ 1 N/mm²
-After Become Wet With Heat ≥ 1 N/mm²
-After freeze-thaw cycles ≥ 1 N/mm²
Temperature Resistance (-20 °C) - (+80 °C)
Dangerous Goods (EN 12004) See Safety Data Sheet
Reaction to Fire A1



LOT 301 MEGA C2TES2

Ultra Flex Granite Adhesive

It is S2 Class very flexible, cement based adhesive mortar with high performance, reduced slip property, long working time.



Places of Usage

It gives excellent results;

- In horizontal and vertical applications in indoor and outdoor,
- Bonding of ceramic, granite, cotto, press brick, porcelain, glass mosaic, marble, natural and composite stones on all kinds of ground, (cement based surfaces, concrete, precast concrete elements, plaster, etc.)
- As an adhesive after priming of particleboard, OSB, PVC and metal floors (indoors only) with Termatect Plaster
- After priming the surfaces affected by temperature changes such as gypsum-plaster board, gypsum-plaster, heat-gas concrete with Termatect Plaster, bonding of ceramic on it,
- In wet areas such as swimming pools, water tanks, bathrooms, etc,
- Floor heating floors, heated pools, thermal pools, swimming pools where water is not drained in winter,
- Wall and floor coverings of cold storage depots,
- In ceramic and granite bonding works on the exteriors of buildings, renovation.

Features / Advantages

- High adhesion strength.
- Thanks to its S2 class flexibility, it is resistant to surface stresses caused by sudden heat changes.
- Resistant to all kinds of climatic conditions.
- Does not slip in vertical surface applications.
- It has long working time.
- Easy to comb.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with Termatect Repair Mortars two days in advance. If the temperature of the surface to be applied is above + 25°C, the surface should be moistened.

On Plaster Based Surfaces, Termatect Plaster is applied on gypsum-paper board, gypsum-plaster, gas concrete, lime stuff and chipboard with high absorbency. Adhesion can be started 5 minutes after the primer application. **PVC Based Surfaces,** The existing PVC coating must be firmly adhered to the floor. All adherence reducing materials should be cleaned from the surface and the surface should be roughened with sandpaper and primed with **Lottifix** Plaster. On Metal Surfaces, Interior metal surfaces (steel, aluminum, etc.) must be fixed in such a way that they do not move. The surface should be free of adherence reducing materials such as rust, dirt, dust and oil and primed with Termatect Primer. **Wood Particleboard Surfaces (OSB and Chipboards),** Wood particleboards should contain a maximum moisture content of 10%.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **LOT 301 Mega** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

LOT 301 Mega layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **LOT 301 Mega** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **LOT 301 Mega** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size. Termatect Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **LOT 301 Mega** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

Quality Certificates:

Manufactured according to TS EN 12004.

C : Cement based
2 : High performance
T : Reduced slip property
E : Prolonged working time
S2 : Very Flexible

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

Gray and white powder

12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature

(+5 °C) - (+35 °C)

Mixing ratio

6-7,5 lt water / 25 kg powder

Pot Life

4 hours

Slip (EN1308)

≤ 0,5 mm

Open Waiting Time (EN 1346)

1 N/mm² after at least 20 min

Getting Into Use Time

24 hours on wall - 2 days on floor

Consumption

Average 4-5 kg/m²

PERFORMANCE INFORMATION

Adhesion Strength (EN 1348)

-Initial

≥ 1 N/mm²

-After Water Immersion

≥ 1 N/mm²

-After Become Wet With Heat

≥ 1 N/mm²

-After freeze-thaw cycles

≥ 1 N/mm²

Temperature Resistance

(-20 °C) - (+80 °C)

Dangerous Goods (EN 12004)

See Safety Data Sheet

Reaction to Fire

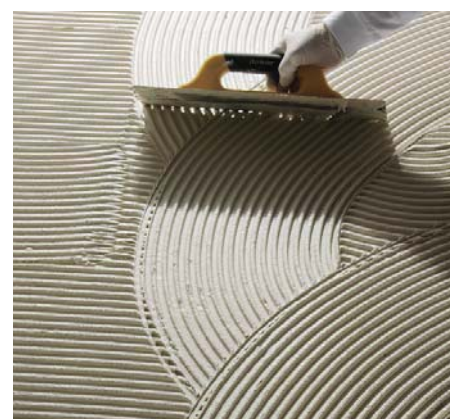
A1



1015 PERFORMANS 2K

2K Ultra Flex Granite Adhesive

It is S2 Class very flexible, cement and acrylic based adhesive mortar with two component, high performance, reduced slip property, long working time.



Places of Usage

- It is used for bonding ceramics, granite, porcelain ceramics and marble up to 30 m height to the exterior of buildings safely. It is recommended to be supported by mechanical fixing as well as bonding method for application of coating materials from 60x60 cm up to 15 m high and 40x40 cm up to 30 m high on exteriors.
- It gives excellent results in the application of coating materials such as ceramic, natural stone, travertine, decorative brick, granite, porcelain ceramic, clinker, cotto on surfaces such as concrete, plaster, screed horizontally and vertically indoors and outdoors.
- It is used in places like shopping-business centers, hospitals, schools where there is heavy pedestrian and freight traffic.

Features / Advantages

- High adhesion strength.
- Thanks to its S2 class flexibility, it is resistant to surface stresses caused by sudden heat changes.
- Resistant to all kinds of climatic conditions.
- Does not slip in vertical surface applications.
- It has long working time.
- Easy to comb.

Application Directions

a) Surface Preparation:

The surface should be free of residues that prevent adhesion. The surface should be hardened and solid. The defects on the application surface should be corrected with Termatect Repair Mortar. Termatect Plaster should be used on anhydrite surfaces. The dusty surface behind the ceramic should be moistened and wiped.

b) Product Preparation:

25 kg Powder should be poured onto 5 lt liquid component slowly and should be mixed until a homogeneous mixture is obtained. The mixture should be made with a low speed mixer. 2-3 kg of water should be added to the liquid component. The prepared mortar should be rested for 5-10 minutes to mature. It should be mixed again for 1-2 minutes before application. In order to obtain a better bonding surface, the mortar should be spread on the surface with the flat side of the trowel and then combed with the toothed side of the trowel selected according to the tile size. Combined bonding method should be preferred in exterior applications.

b) Product Preparation:

1015 Performans 2K layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **1015 Performans 2K** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that they are fully in contact with adhesive mortar.

Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size. **Lottifix** Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- As it is cement based, do not breathe dust, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1015 Performans 2K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

25 kg kraft bags. (64 kraft bags / Pallet)
5 lt plastic buckets.

1015 Performans 2K

Quality Certificates:

Manufactured according to TS EN 12004.

- C : Cement based
- Z : High performance
- T : Reduced slip property
- E : Prolonged working time
- S2 : Very Flexible

| TECHNICAL SPECIFICATIONS | (23 °C and 50% Relative Humidity) |
|--------------------------------|---------------------------------------------------------------------------|
| GENERAL INFORMATION | |
| APPEARANCE | |
| Shelf Life | Gray and white powder 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Application Temperature | (+5 °C) - (+35 °C) |
| Mixing ratio | 6,5-7 lt water / 25 kg powder |
| Pot Life | 4 hours |
| Slip (EN1308) | ≤ 0,5 mm |
| Open Waiting Time (EN 1346) | 1 N/mm ² after at least 20 min |
| Getting Into Use Time | 24 hours on wall - 2 days on floor |
| Consumption | Average 4-5 kg/m ² |
| PERFORMANCE INFORMATION | |
| Adhesion Strength (EN 1348) | |
| -Initial | ≥ 1 N/mm ² |
| -After Water Immersion | ≥ 1 N/mm ² |
| -After Become Wet With Heat | ≥ 1 N/mm ² |
| -After freeze-thaw cycles | ≥ 1 N/mm ² |
| Temperature Resistance | (-20 °C) - (+80 °C) |
| Dangerous Goods (EN 12004) | See Safety Data Sheet |
| Reaction to Fire | Class A1/A1fl |



1017 BLOCKER

Gas Concrete Adhesive

It is cement based, water and frost resistant, fiber added, gas concrete mortar with high performance, single component, high stability, that can be used outdoors, horizontal and vertical surfaces.



Places of Usage

- For bonding gas concrete brick,
- For bonding pressed brick,
- For bonding pumice brick

Features / Advantages

- It has high adhesion strength.
- Easy to comb.
- Saves time and labor.

Application Directions

a) Surface Preparation:

Before application, gas concrete, pumice and pressed brick blocks should be checked and if there are wet, they should be allowed to dry. The gas concrete blocks are cut to the desired size with a gas concrete saw before the wall is built. In highly porous surfaces and hot air applications (if the surface temperature is above +25°C), the surface must be pre-wetted in a way to be moistened for the appropriate temperature. Thus, it will prevent the adhesive from losing its water quickly.

b) Product Preparation:

1 Bag (25 kg) **1017 Blocker** is added slowly into 6-6,5 kg water and mixed for 5 minutes with 400-600 rpm mixer until it reaches a paste consistency. The prepared mixture is allowed to rest for 5 minutes, then mixed again and applied to the surface with an appropriate trowel. Proper chiseling is performed.

For the smoothness of the wall surface, the smoothness of the horizontal and vertical joints can be ensured by using a rubber hammer, especially the first row should be very smooth. After the material is applied to the surface with a trowel and combed, it must be adhered according to the air temperature and the climatic conditions where the material is used. In such cases, the adhesive surface is pressed with finger and the adhesive surface is checked. If the material gets on the fingers, the bonding process is continued. Otherwise, the bonding process should be terminated and the dried adhesive material should be scraped off the surface and the new adhesive applied to the surface. All tools and equipment used should be cleaned with water before the mortar dries after application. The manufacturer's instructions on the packaging must be observed before and during the application. Inspect Termactec Mill-Mixed Plaster to apply plaster to gas concrete, pumice block or hollow brick surfaces.

c) Application Method:

The prepared mortar is spread on the surface with a notched trowel or trowel with appropriate tooth size. The prepared mortar should be adhered on the gas concrete within 5 minutes. If this time has elapsed, the mortar should be scraped off the surface and the coatings. The laid bricks should be rammed from the top and side and made suitable to the rope and template. The amount of consumption given is theoretical and may vary depending on the application temperature, gas concrete brick size, surface and labor. We recommend sample application for consumption control.

Issues to be Considered

- Since the water absorption of the gas concrete blocks is high, the adhesive mortar should not be left open for a long time after being applied on the gas concrete. Otherwise, the adhesive surface dries and does not provide good adhesion.
- In order to get better efficiency from the gas concrete adhesive, it is necessary to sweep the dust and particles on the block and the application should be done so that the horizontal and vertical surfaces of the gas concrete block are completely covered with adhesive mortar.
- Do not use wedges between the wall and the beam during the application.
- Gas concrete is the masonry wall material with the lowest thermal conductivity. There is no contribution of the adhesive material to the thermal conductivity.
- Application under sun and strong wind should be avoided. Application should be done when the surface temperature is between +5°C and +25°C.
- Protective gloves are recommended for applications. For more detailed protective measures, please obtain the material safety data sheet from the manufacturer.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1017 Blocker** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 25 kg kraft bags. (64 kraft bags / Pallett)

1017 Blocker

Quality Certificates:

Manufactured according to TS EN 12004.

| | |
|---------------------------------|--------------------------------------------------|
| TECHNICAL SPECIFICATIONS | (23 °C and 50% Relative Humidity) |
| GENERAL INFORMATION | |
| APPEARANCE | Gray powder |
| Shelf Life | 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Application Temperature | (+5 °C) - (+35 °C) |
| Mixing ratio | 6-6,5 lt water / 25 kg powder |
| Pot Life | 2 hours |
| Open Waiting Time(EN 1346) | 0,5 N/mm ² after at least 30 min |
| Getting Into Use Time | 24 hours on wall - 2 days on floor |
| Consumption | Average 4-5 kg/m ² |
| PERFORMANCE INFORMATION | |
| Adhesion Strength (EN 1348) | |
| - Initial | ≥ 0,5 N/mm ² |
| - After Water Immersion | ≥ 0,5 N/mm ² |
| - After Become Wet With Heat | ≥ 0,5 N/mm ² |
| - After freeze-thaw cycles | ≥ 0,5 N/mm ² |
| Temperature Resistance | (-40 °C) - (+80 °C) |
| Dangerous Goods(EN 12004) | See Safety Data Sheet. |
| Reaction to Fire | A1 |



1019 PASTAFIX

Paste Type Adhesive

It is ready to use, emulsion polymer (acrylic) added paste type adhesive with high performance, reduced slip, long working time which may be used in products such as gypsum panel, betopan, boardex sheet metal.



Places of Usage

It is used in;

- Indoors,
- Horizontal and vertical surfaces,
- For bonding ceramic, tile and glass mosaics,
- For bonding ceramic on surfaces such as painted surfaces, gypsum panels, gypsum-plaster, cemented particle board, wood,
- For coating ceramic on old coatings.

Features / Advantages

- Ready to use.
- It is easy and fast to apply and saves labor.
- Has high adhesion.
- Has long working time.
- Does not slip.

Application Directions

a) Surface Preparation:

The application surface should be hardened. The application surface should be free of adhesion preventive materials such as dust, oil, tar, pitch, paint, silicone, curing agent, detergent and molding oil. Defects on the application surface should be corrected with appropriate Termatect Repair Mortar 24 hours before, depending on the depth and structure of the surface.

b) Product Preparation:

The product should be mixed before application. In order to obtain a better bonding surface, the product must be applied on the surface with the flat side of the trowel and then combed with the toothed side of the trowel selected according to the tile size.

c) Application Method:

The tiles should be adhered by force on the combed mortar within 20 minutes. This period may be shortened in applications made in unsuitable ambient conditions such as high temperature, low humidity and wind. Bonding process should not be performed on the product whose term has expired, the product should be scraped off the surface. For bonding of insulation panels, point or linear application should be made. Package must be closed tightly outside of use. The expired or caked product in the container should be discarded. After application, hands and application tools should be washed with plenty of water. Surfaces should be cleaned with a damp cloth. Tiles adhered with **1019 Pastafix** should not be exposed to water for at least 10 days. In ceramic applications on old ceramics, the drying time of the product may increase to 1-2 weeks depending on the ambient conditions and ceramic size. It is recommended to use cement-based products for bonding low-absorbent and large-size coating materials.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Close the package cover firmly when not in use.
- Do not add water or any other foreign material into the product.
- It should not be used outdoors, water tank, pool etc.
- Drying time may increase for bonding on old coating.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1019 Pastafix** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

In 5 kg and 20 kg plastic buckets.

1019 Pastafix

Quality Certificates:

Manufactured according to TS EN 12004.
D: Dispersion Based
2: High Performance
T: Reduced Slip Property
E: Prolonged open waiting time

| TECHNICAL SPECIFICATIONS | | (23 °C and 50% Relative Humidity) |
|----------------------------------------------------------------------|------------------------------------|--------------------------------------------------|
| GENERAL INFORMATION | | |
| APPEARANCE | | |
| Shelf Life | White | 12 months in unopened package in dry environment |
| Malterial Structure Includes Acrylic Binders and Special Fillers. | | |
| APPLICATION INFORMATION | | |
| Density | 1,70 kg/lt | |
| Adhesion Strength in Cutting | ≥ 1,00 N/mm ² (28 days) | |
| Joint Filling Time | Min. 3 gün | |
| Application Thickness | Maks. 3 mm | |
| Application Floor Temperature | (+10 °C) - (+25 °C) | |
| Service Temperature | (-10 °C) - (+70 °C) | |
| Open Waiting Time | 30 min. | |
| Slip (mm) | Non | |
| Wettability | Minimum 90% | |
| Full Hardening Time | 28 days | |



1021 TECHNOFAST

Quick Setting Granite Adhesive Mortar

It is quick setting, cement based, large-size coating material such as ceramic, granite ceramic, granite, marble, natural stone, porcelain adhesive mortar with high adhesion and elasticity, easy spreading, prolonged working time.



Places of Usage

It gives excellent results;

- Horizontal and vertical applications in indoor and outdoor,
- Bonding of ceramic, granite, marble, porcelain, natural stone, glass mosaic and pressed bricks to cement based surfaces subject to temperature differences,
- After priming the surfaces affected by temperature changes such as gypsum-plaster board, gypsum-plaster, heat-gas concrete with Termatect Plaster, bonding of ceramic, granite, marble, natural stone and glass mosaic on it,
- In wet areas such as swimming pools, water tanks, bathrooms, etc, floor heating floors, heated pools, thermal pools, swimming pools where water is not drained in winter,
- Wall and floor coverings of cold storage depots,
- In ceramic and granite bonding works on the facades of buildings, renovation and repair works, and ceramic bonding works on ceramics.

Features / Advantages

- Has quick setting feature.
- Has long penetrating time.
- Easy to prepare and apply.
- Does not slip in vertical applications.
- Resistant to freeze-thaw cycle.
- Resistant to stress and vibration caused by temperature differences.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with Termatect Repair Mortars two days in advance. If the temperature of the surface to be applied is above + 25°C, the surface should be moistened.

On Plaster Based Surfaces, Termatect Plaster is applied on gypsum-paper board, gypsum-plaster, gas concrete, lime stuff and chipboard with high absorbency. Adhesion can be started 5 minutes after the primer application. **Wood Particleboard Surfaces (OSB and Chipboards)**, Wood particleboards should contain a maximum moisture content of 10%. Wood particleboard (V100) applied to the floors should be minimum 25 mm and 19 mm for the walls. The boards should be screwed to the surface at 30 cm intervals. The edge joint must be at least 8 mm wide. At the joints of the chips, grooves should be opened and filled with Joint Sealant. Wood paperboards should be primed with Termatect Plaster in dry environments. If the boards are in place that exposed to moisture (exterior), it is applied with Fully Flexible Waterproofing Material in two layers and mesh reinforced.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **1021 Technofast** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained.



After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

1021 Technofast layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **1021 Technofast** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that the **1021 Technofast** is fully in contact. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size. Termatect Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1021 Technofast** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

Average 4-5 kg/m²

Package

In 20 kg kraft bags. (80 kraft bags / Pallett)

1021 Technofast

Quality Certificates:

Manufactured according to TS EN 12004.

C :Cement based

1 : Normal hardening (Standard performance)

F : Quick setting

T: Reduced slip property

E: Prolonged working time

| | |
|---------------------------------|--------------------------------------------------|
| TECHNICAL SPECIFICATIONS | (23 °C and 50% Relative Humidity) |
| GENERAL INFORMATION | |
| APPEARANCE | Gray and white powder |
| Shelf Life | 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Application Temperature | (+5 °C) - (+35 °C) |
| Mixing ratio | 6-7,5 lt water / 20 kg powder |
| Pot Life | 4 hours |
| Slip (EN1308) | ≤ 0,5 mm |
| Open Waiting Time(EN 1346) | 1 N/mm ² after at least 20 min |
| Getting Into Use Time | 24 hours on wall - 2 days on floor |
| Consumption | Average 4-5 kg/m ² |
| PERFORMANCE INFORMATION | |
| Adhesion Strength (EN 1348) | |
| -Initial | ≥ 1 N/mm ² |
| -After Water Immersion | ≥ 1 N/mm ² |
| -After Become Wet With Heat | ≥ 1 N/mm ² |
| -After Freze-thaw Cycles | ≥ 1 N/mm ² |
| Temperature Resistance | (-20 °C) - (+80 °C) |
| Dangerous Goods (EN 12004) | See Safety Data Sheet |
| Reaction to Fire | A1 |



1022 TECHNOFAST PLUS

Quick Setting Granite Adhesive Mortar

It is quick setting, cement based, large-size coating material such as ceramic, granite ceramic, granite, marble, natural stone, porcelain adhesive mortar with high adhesion and elasticity, easy spreading, prolonged working time.



Places of Usage

It gives excellent results;

- In horizontal and vertical applications in indoor and outdoor,
- Bonding of ceramic, granite, cotto, press brick, porcelain, glass mosaic, marble, natural and composite stones on all kinds of ground, (cement based surfaces, concrete, precast concrete elements, plaster, etc.)
- As an adhesive after priming of particleboard, OSB, PVC and metal floors (indoors only) with Termatect Plaster
- After priming the surfaces affected by temperature changes such as gypsum-plaster board, gypsum-plaster, heat-gas concrete with Termatect Plaster, bonding of ceramic on it,
- In wet areas such as swimming pools, water tanks, bathrooms, etc,
- Floor heating floors, heated pools, thermal pools, swimming pools where water is not drained in winter,
- Wall and floor coverings of cold storage depots,
- In ceramic and granite bonding works on the exteriors of buildings, renovation.

Features / Advantages

- Has quick setting feature.
- Has long adhesion strength.
- Resistant to surface stresses caused by sudden temperature changes due to its S2 class flexibility.
- Resistant to all kinds of climatic conditions.
- Does not slip in vertical surface applications.
- Has long working time.
- Easy to comb.

Application Directions

a) Surface Preparation:

Take care that the application surface should be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface. Damaged surfaces with a depth of 5 to 20 mm should be repaired with Termatect Repair Mortars two days in advance. If the temperature of the surface to be applied is above +25°C, the surface should be moistened.

On Plaster Based Surfaces, Termatect Plaster is applied on gypsum-paper board, gypsum-plaster, gas concrete, lime stuff and chipboard with high absorbency. Adhesion can be started 5 minutes after the primer application. **PVC Based Surfaces,** The existing PVC coating must be firmly adhered to the floor. All adherence reducing materials should be cleaned from the surface and the surface should be roughened with sandpaper and primed with Termatect Plaster. **On Metal Surfaces,** Interior metal surfaces (steel, aluminum, etc.) must be fixed in such a way that they do not move. The surface should be free of adherence reducing materials such as rust, dirt, dust and oil and primed with Termatect Primer. **Wood Particleboard Surfaces (OSB and Chipboards),** Wood particleboards should contain a maximum moisture content of 10%.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **1022 Technofast Plus** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained.

After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Uygulama Yöntemi:

1022 Technofast Plus layer of 1 mm thickness is applied to the application surface with the flat side of the trowel. **1022 Technofast Plus** is applied in one direction in such a way that a uniform thickness is obtained with the toothed side of the trowel to an area that can be covered within 30 minutes, open waiting time. For the bonding of tiles or ceramics with different thicknesses, it is recommended to apply 1 mm thick mortar under each tile or ceramic in order to cover the defects on the application surface. When applying tiles or ceramics in place, the tiles or ceramics are floated in the mortar to ensure that they are fully in contact with adhesion mortar. Application is completed by leaving the recommended joint gap according to the appropriate tile or ceramic size. Termatect Joint Fillings should be used to fill the left joint gaps. Joints can be applied after approximately 24 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1022 Technofast Plus** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

Average 4-5 kg/m²

Package

In 20 kg kraft bags. (80 kraft bags / Pallett)

1022 Technofast Plus

Quality Certificates:

Manufactured according to TS EN 12004.

- C : Cement Based
- 2 : High Performance
- F : Quick setting
- T : Reduced Slip Property
- E : Prolonged working time
- S2: Very Flexible

| | |
|---------------------------------|--------------------------------------------------|
| TECHNICAL SPECIFICATIONS | (23 °C and 50% Relative Humidity) |
| GENERAL INFORMATION | |
| APPEARANCE | Gray and white powder |
| Shelf Life | 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Application Temperature | (+5 °C) - (+35 °C) |
| Mixing ratio | 6-7,5 lt water / 20 kg powder |
| Pot Life | 4 hours |
| Slip (EN1308) | ≤ 0,5 mm |
| Open Waiting Time(EN 1346) | 1 N/mm ² after at least 20 min |
| Getting Into Use Time | 24 hours on wall - 2 days on floor |
| Consumption | Average 4-5 kg/m ² |
| PERFORMANCE INFORMATION | |
| Adhesion Strength (EN 1348) | |
| -Initial | ≥ 1 N/mm ² |
| -After Water Immersion | ≥ 1 N/mm ² |
| -After Become Wet With Heat | ≥ 1 N/mm ² |
| -After freeze-thaw cycles | ≥ 1 N/mm ² |
| Temperature Resistance | (-20 °C) - (+80 °C) |
| Dangerous Goods (EN 12004) | See Safety Data Sheet |
| Reaction to Fire | A1 |



JOINT FILLER products



2002 FUGA FLEX

Flex Grouting

It is a high performance, flexible, cement based joint filler that can be used indoors and outdoors, suitable for 1-6 mm joint gap.



Places of Usage

It is used for;

- Indoors,
- Horizontal and vertical applications,
- Filling joints of ceramic, tile, granite, granite ceramic, porcelain ceramic coating materials up to 1-6 mm.

Features / Advantages

- It has not fading, dusting and cracking.
- Provides smooth surface.
- Adheres well to ceramic edges.
- Resistant to abrasion.
- Offers a rich color selection and is decorative.

Application Directions

a) Surface Preparation:

It should be paid attention that the ceramics are well adhered in order not to move during application, and the adhesive should be completely dry. Any dust, dirt, sawdust, construction and cement residues remaining in the joint gaps on the surfaces where the flooring process is completed should be thoroughly cleaned with a thin rod or brush. Make sure that the joint gaps are at least 2/3 of ceramic thickness. The cleaned gaps should be moistened with a wet sponge.

b) Product Preparation:

20 kg **2002 Fuga Flex** joint filler (1-6 mm) is added into about 6-7 lt of clean water and mixed preferably with a low speed mixer until no lump remains. Pay attention to the amount of water to be added to the powder mortar, avoid application in the form of grout added excess water. Excess water added to the mortar will cause cracking, easy wear and dusting. The prepared grouting material in thick consistency is left to rest for 5 -10 minutes for maturation and used after mixing for 1 -2 minutes again. The mixture in the container should be consumed within about 1 hour.

c) Application Method:

The joint sealant must be filled into the joints with a hard rubber tipped squeegee or hard rubber based joint spreading trowel. In order to fully fill the gaps, they must be pulled first parallel and then crosswise. The excess of the mortar on the surface should be peeled off with a moistened soft tip spatula, after waiting for 15-30 minutes according to the ambient temperature, wiped with a damp sponge and the thin joint layer that may remain on the surface should be cleaned thoroughly. Joint cleaning should not be started prematurely. It should not be wiped with excess wet sponge in order not to cause color fluctuation. The sponge used should be cleaned frequently. It dries on walls after 24 hours, can be walked on floors after 48 hours, can be opened to pedestrian traffic after 7 days.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- Do not clean the joints with salt spirit, bleach etc. products. Use Termactec Joint Cleaner for cleaning.
- As it is cement based, do not breathe dust, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **2002 Fuga Flex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See Joint Filler consumption table.

Package

20 kg kraft bags. (80 kraft bags / Pallet)
5 kg polyethylene sack (5 sacks / Package)
1 kg polyethylene sack

2002 Fuga Flex

Quality Certificates:

Manufactured according to TS EN 13888.

C : Cement based

G : Grouting

2 : High performance

A : High wear resistance

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

White and colored fine powder
9 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature

(+5 °C) - (+35 °C)

Mixing ratio

6-7 lt water / 20 kg powder

Pot Life

1 hour

Getting Into Use Time

48 hours on wall, 7 days on floor

Consumption

See Grouting Consumption Table

PERFORMANCE INFORMATION

Wear resistance

≥ 1000 mm³

Flexional resistance after dry storage

≥ 2,5 N/mm²

Flexional resistance after freeze-thaw cycle

≥ 2,5 N/mm²

Compressive strength after dry storage

≥ 15 N/mm²

Compressive strength after freeze-thaw cycle

≥ 15 N/mm²

Shrinkage

≤ 3 mm/m

Water Absorption after 30 min

≤ 5 g

Water Absorption after 240 min

≤ 10 g



2003 FUGA SIL

Silicone Grouting

It is a high performance, silicone, cement based joint filler that can be used indoors and outdoors, suitable for 1-6 mm joint gap.



Places of Usage

- It is used for;
- Indoor and outdoor,
- Horizontal and vertical applications,
- In wet areas such as pools, baths, toilets and easily contaminated places such as kitchens,
- In areas such as water tanks, Turkish baths and saunas that are exposed to water continuously and mold formation is observed rapidly,
- Filling joints of up to 1-6 mm of granite ceramic, large ceramic, tile, natural granite, marble, clinker and glass mosaic coatings.

Features / Advantages

- It has not fading, dusting and cracking.
- Resistant to dirt formation.
- Thanks to its silicone additive, it is water repellent and can be used safely in wet areas.
- Resistant to mold and fungus formation.
- Provides smooth surface.
- Water and frost resistant.
- Adheres perfectly to the ceramic edges without cracking.
- Offers a rich color selection and is decorative.
- Resistant to abrasion.

Application Directions

a) Surface Preparation:

It should be paid attention that the ceramics are well adhered in order not to move during application, and the adhesive should be completely dry. Any dust, dirt, sawdust, construction and cement residues remaining in the joint gaps on the surfaces where the flooring process is completed should be thoroughly cleaned with a thin rod or brush. Make sure that the joint gaps are at least 2/3 of ceramic thickness. The cleaned gaps should be moistened with a wet sponge.

b) Product Preparation:

20 kg **2003 Fuga Sil** joint filler (1-6 mm) is added into about 6-7 lt of clean water and mixed preferably with a low speed mixer until no lump remains. Because joint filler added to the water is silicone additive, there may be difficulties in the mixing in the first place. Continue mixing with the mixer until a homogeneous appearance is achieved. Pay attention to the amount of water to be added to the powder mortar, avoid application in the form of grout added excess water. Excess water added to the mortar will cause cracking, easy wear and dusting. The prepared grouting material in thick consistency is left to rest for 5-10 minutes for maturation and used after mixing for 1-2 minutes again. The mixture in the container should be consumed within about 1 hour.

c) Application Method:

The joint sealant must be filled into the joints with a hard rubber tipped squeegee or hard rubber based joint spreading trowel. In order to fully fill the gaps, they must be pulled first parallel and then crosswise. The excess of the mortar on the surface should be peeled off with a moistened soft tip spatula, after waiting for 15-30 minutes according to the ambient temperature, wiped with a damp sponge and the thin joint layer that may remain on the surface should be cleaned thoroughly.



Joint cleaning should not be started prematurely. It should not be wiped with excess wet sponge in order not to cause color fluctuation. The sponge used should be cleaned frequently. It dries on walls after 24 hours, can be walked on floors after 48 hours, can be opened to pedestrian traffic after 7 days.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- Do not clean the joints with salt spirit, bleach etc. products. Use Termatect Joint Cleaner for cleaning.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **2003 Fuga Sil** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See Joint Filler consumption table.

Package

20 kg kraft bags. (80 kraft bags / Pallet)
5 kg polyethylene sack (5 sacks / Package)
1 kg polyethylene sack

2003 Fuga Sil

Quality Certificates:

Manufactured according to TS EN 13888.

C : Cement based

G : Grouting

2 : High performance

W : Reduced water absorption

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

APPLICATION INFORMATION

Application Temperature

Mixing ratio

Pot Life

Getting Into Use Time

Consumption

PERFORMANCE INFORMATION

Wear resistance

Flexional resistance after dry storage

Flexional resistance after freeze-thaw cycle

Compressive strength after dry storage

Compressive strength after freeze-thaw cycle

Shrinkage

Water Absorption after 30 min

Water Absorption after 240 min

White and colored fine powder
9 months in unopened package in dry environment

(+5 °C) - (+35 °C)

6-7 lt water / 20 kg powder

1 hour

48 hours on wall, 7 days on floor

See Grouting Consumption Table

≥ 2000 mm³

≥ 2,5 N/mm²

≥ 2,5 N/mm²

≥ 15 N/mm²

≥ 15 N/mm²

≤ 3 mm/m

≤ 2 g

≤ 5 g



2004 FUGA ULTRA FLEX

Ultra Flex Grouting

It is a high performance, very flexible, cement based joint filler that can be used indoors and outdoors suitable for 1-6 mm joint gap.



Places of Usage

- It is used for;
- Indoor and outdoor,
- Horizontal and vertical applications,
- Places such as pool, water tank, Turkish bath and sauna,
- Floor heating systems,
- Filling joints up to 1-6 mm of coatings such as granite ceramic, large ceramic, tile, natural granite, marble, clinker and glass mosaic.

Features / Advantages

- It has not fading, dusting and cracking.
- Provides smooth surface.
- Not affected by sudden temperature changes.
- Water and frost resistant.
- Can be used in floor heating systems.
- Adheres perfectly to the ceramic edges without cracking.
- Offers a rich color selection and is decorative.
- Resistant to abrasion.

Application Directions

a) Surface Preparation:

It should be paid attention that the ceramics are well adhered in order not to move during application, and the adhesive should be completely dry. Any dust, dirt, sawdust, construction and cement residues remaining in the joint gaps on the surfaces where the flooring process is completed should be thoroughly cleaned with a thin rod or brush. Make sure that the joint gaps are at least 2/3 of ceramic thickness. The cleaned gaps should be moistened with a wet sponge.

b) Product Preparation:

20 kg **2004 Fuga Ultra Flex** joint filler (1-6 mm) is added into about 6-7 lt of clean water and mixed preferably with a low speed mixer until no lump remains. Pay attention to the amount of water to be added to the powder mortar, avoid application in the form of grout added excess water. Excess water added to the mortar will cause cracking, easy wear and dusting. The prepared grouting material in thick consistency is left to rest for 5-10 minutes for maturation and used after mixing for 1-2 minutes again. The mixture in the container should be consumed within about 1 hour.

c) Application Method:

The joint sealant must be filled into the joints with a hard rubber tipped squeegee or hard rubber based joint spreading trowel. In order to fully fill the gaps, they must be pulled first parallel and then crosswise. The excess of the mortar on the surface should be peeled off with a moistened soft tip spatula, after waiting for 15-30 minutes according to the ambient temperature, wiped with a damp sponge and the thin joint layer that may remain on the surface should be cleaned thoroughly. Joint cleaning should not be started prematurely.



It should not be wiped with excess wet sponge in order not to cause color fluctuation. The sponge used should be cleaned frequently. It dries on walls after 24 hours, can be walked on floors after 48 hours, can be opened to pedestrian traffic after 7 days.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- Do not clean the joints with salt spirit, bleach etc. products. Use Termatect Joint Cleaner for cleaning.
- The amount of consumption indicated is general information.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **2004 Fuga Ultra Flex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See Joint Filler consumption table.

Package

20 kg kraft bags. (80 kraft bags / Pallet)
5 kg polyethylene sack (5 sacks / Package)
1 kg polyethylene sack

2004 Fuga Ultra Flex

Quality Certificates:

Manufactured according to TS EN 13888.

C : Cement based

G : Grouting

2 : High performance

W : Reduced water absorption

A : High abrasion resistance

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

White and colored fine powder
Shelf Life 9 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+35 °C)
Mixing ratio 6-7 lt water / 20 kg powder
Pot Life 1 hour
Getting Into Use Time 48 hours on wall, 7 days on floor
Consumption See Grouting Consumption Table

PERFORMANCE INFORMATION

Wear resistance $\geq 1000 \text{ mm}^3$
Flexional resistance after dry storage $\geq 2,5 \text{ N/mm}^2$
Flexional resistance after freeze-thaw cycle $\geq 2,5 \text{ N/mm}^2$
Compressive strength after dry storage $\geq 15 \text{ N/mm}^2$
Compressive strength after freeze-thaw cycle $\geq 15 \text{ N/mm}^2$
Shrinkage $\leq 3 \text{ mm/m}$
Water Absorption after 30 min $\leq 2 \text{ g}$
Water Absorption after 240 min $\leq 5 \text{ g}$

| JOINT WIDTH (mm) | JOINT DEPTH (mm) | CERAMIC DIMENSIONS (mm) | CONSUMPTION (gr/m ²) |
|---------------------|---------------------|----------------------------|-------------------------------------|
| 1 | 6 | 100x100 | 200 |
| 1 | 6 | 100x200 | 200 |
| 1 | 9 | 100x200 | 250 |
| 1 | 6 | 150x150 | 150 |
| 1 | 8 | 200x200 | 170 |
| 1 | 9 | 200x250 | 120 |
| 1 | 8 | 200x300 | 130 |
| 1 | 8 | 250x330 | 100 |
| 1 | 9 | 300x300 | 100 |
| 2 | 6 | 100x100 | 400 |
| 2 | 6 | 100x200 | 300 |
| 2 | 9 | 100x200 | 500 |
| 2 | 6 | 150x150 | 270 |
| 2 | 8 | 200x200 | 340 |
| 2 | 9 | 200x250 | 250 |
| 2 | 8 | 200x300 | 250 |
| 2 | 8 | 250x330 | 200 |
| 2 | 9 | 300x300 | 200 |
| 3 | 6 | 100x100 | 600 |
| 3 | 6 | 100x200 | 500 |
| 3 | 9 | 100x200 | 750 |
| 3 | 6 | 150x150 | 400 |
| 3 | 8 | 200x200 | 500 |
| 3 | 9 | 200x250 | 360 |
| 3 | 8 | 200x300 | 400 |
| 3 | 8 | 250x330 | 300 |
| 3 | 9 | 300x300 | 300 |
| 4 | 7 | 200x200 | 500 |
| 4 | 7 | 250x250 | 400 |
| 4 | 8.5 | 300x300 | 400 |
| 4 | 9 | 300x600 | 320 |
| 4 | 7 | 330x330 | 300 |
| 4 | 9 | 330x500 | 320 |
| 4 | 9 | 400x400 | 315 |
| 4 | 12 | 600x600 | 280 |
| 4 | 15 | 150x300 | 1050 |
| 4 | 15 | 250x250 | 850 |
| 4 | 18 | 300x300 | 850 |
| 5 | 7 | 200x200 | 620 |
| 5 | 7 | 250x250 | 500 |
| 5 | 8.5 | 300x300 | 500 |
| 5 | 9 | 300x600 | 400 |
| 5 | 7 | 330x330 | 380 |
| 5 | 9 | 330x500 | 400 |
| 5 | 9 | 400x400 | 400 |
| 5 | 12 | 600x600 | 350 |
| 5 | 15 | 150x300 | 1350 |
| 5 | 15 | 250x250 | 1050 |
| 5 | 18 | 300x300 | 1050 |

| JOINT WIDTH (mm) | JOINT DEPTH (mm) | CERAMIC DIMENSIONS (mm) | CONSUMPTION (gr/m ²) |
|---------------------|---------------------|----------------------------|-------------------------------------|
| 7 | 7 | 200x200 | 860 |
| 7 | 7 | 250x250 | 690 |
| 7 | 8.5 | 300x300 | 700 |
| 7 | 9 | 300x600 | 550 |
| 7 | 7 | 330x330 | 520 |
| 7 | 9 | 330x500 | 560 |
| 7 | 9 | 400x400 | 550 |
| 7 | 12 | 600x600 | 500 |
| 7 | 15 | 150x300 | 1850 |
| 7 | 15 | 250x250 | 1500 |
| 7 | 18 | 300x300 | 1500 |
| 10 | 7 | 200x200 | 1230 |
| 10 | 7 | 250x250 | 1000 |
| 10 | 8.5 | 300x300 | 1000 |
| 10 | 9 | 300x600 | 860 |
| 10 | 7 | 330x330 | 750 |
| 10 | 9 | 330x500 | 800 |
| 10 | 9 | 400x400 | 800 |
| 10 | 12 | 600x600 | 700 |
| 10 | 15 | 150x300 | 2650 |
| 10 | 15 | 250x250 | 2100 |
| 10 | 18 | 300x300 | 2100 |

JOINT FILLING COLORS

| | |
|--------------------|---------------|
| > White | > Yuruk Beige |
| > Ivory | > Brown |
| > Cream | > Red Brown |
| > Beige Bahamas | > Dark Brown |
| > Jasmin | > Pool Blue |
| > İstanbul Beige | > Atlas Blue |
| > Paper Bag | > Light Gray |
| > Cappadocia Beige | > Gray |
| > Light pink | > Anthracite |
| > Pink | > Black |



EPOXY GROUP

products



1018 EPOKSİFIX

Epoxy Adhesive and Joint Filling Mortar

It is solvent-free, chemical resistant, with waterproofing, epoxy resin based, multi-purpose adhesive and joint filling material.



Places of Usage

- It is used in;
- Indoor and outdoor,
 - Horizontal and vertical applications,
 - Hospitals and all kinds of hygienic environments,
 - Swimming pool, thermal pool and wet areas,
 - Cheese, milk, wine, meat, fish and food industries,
 - Pharmaceutical, paint, paper, battery and fertilizer industries,
 - Printing houses, laundries, industrial kitchens and cafeterias,
 - Places exposed to heavy pedestrian traffic such as shopping malls, terminals,
 - Floor heating systems,
 - Waste water and treatment plants,
 - For bonding materials such as tiles, ceramics, marble, granite, acid-resistant ceramics, porcelain ceramics, glass mosaics and glass bricks to concrete, plaster and metal surfaces.

Features / Advantages

- Does not form mold and fungus.
- Has high mechanical strength.
- Resistant to oils, chemicals, acids, alkalis, chemical and domestic waste water.
- Not affected by sudden temperature changes.
- Resistant to freeze-thaw cycle.
- No harmful effects on drinking water.

Application Directions

a) Surface Preparation:

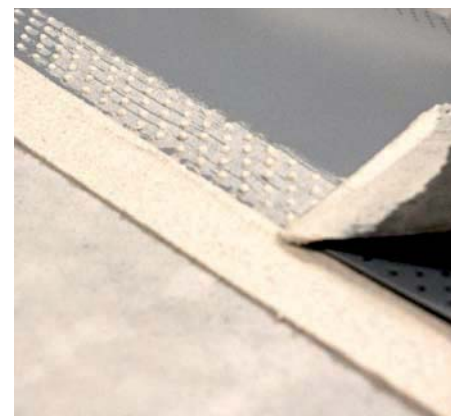
If the application surface is concrete, plaster, it must be hardened and if it is metal, it must be cleaned from rust and oil. The application surface should be free of adhesive preventive materials such as dust, oil, tar, pitch, paint, silicone, curing material, detergent and molding oils. The surface should be dry, stable and level. Moisture of the surface should be below 4%.

b) Product Preparation:

1018 Epoksifix is packaged in appropriate quantities in two components. Add 0.20 kg of component B (hardener) to 5 kg of component A (Epoxy resin) and mix for at least 3 minutes with a 400-600 rpm mixer drill with mixer bit. Component B (Hardener) is included in the package of component A (Epoxy resin). The components are packaged in the correct mixing proportions. If part of the product will be used, this rate should be observed.

c) Application Method:

1018 Epoksifix is applied in principle as cement-based ceramic adhesives. **1018 Epoksifix** is applied in a way that 2 mm thickness is obtained with suitable toothed trowel selected according to the ceramic size to be adhered. Minimum 4 mm toothed comb is used. The contact layer is formed by pressing the flat side of the trowel on the application surface where heavy load will be on and immediately the epoxy mixture is put for the application of the toothed trowel, applied with a comb and ceramics are bonded. Do not bond to the product that has started to dry. Joint filling application is started after 1 day.



Issues to be Considered

- Avoid application the product at temperatures below +10°C and above +20°C.
- **1018 Epoksifix** should be mixed with a suitable mixing drill. Never mix with hand or trowel.
- The components of **1018 Epoksifix** should be mixed in the correct proportions. Do not add water, solvent, etc. to the mixture externally.
- Working and hardening times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolongs. At high temperatures, the reverse situation happens.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- After the application, it should not be touched for at least 24 hours and water contact should be prevented for 48 hour.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **1018 Epoksifix** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 4-5 kg/m²

Package

- With 2 component
a) 18 kg plastic bucket
b) 3 kg plastic bucket

1018 Epoksifix

Quality Certificates:

Manufactured according to TS EN 1504-6
R : Reaction resin based
2 : High performance
T : Reduced slip property
E : Prolonged working time

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

| | |
|-------------------|----------------------------------------------------|
| Shelf Life | Ral |
| Malzemenin Yapısı | 12 months in unopened package in sandy environment |
| | Component A: Epoxy resin |
| | Component B: Epoxy hardener |

APPLICATION INFORMATION

| | |
|---------------------|-----------------|
| Solid Material Rate | %100 |
| Mixture Density | 1,55±0,05 kg/lt |
| Viscosity | 8500 mPa.s |

PERFORMANCE INFORMATION

| | |
|-----------------------------------------------------|-------------------------------------------------|
| Pressure Resistance (TS EN 196) 1 day, 7 days | > 50 N/mm ² , > 80 N/mm ² |
| Bending Strength (TS EN 196) 1 day, 7 days | > 20 N/mm ² , > 30 N/mm ² |
| Tensile Strength (BS 6319-7) 7 days, 28 days | > 20 N/mm ² , > 30 N/mm ² |
| Sliding Strength (TS 12003) 1 day | > 14 N/mm ² |
| Elasticity Module (TS EN 13412) 28 days at pressure | > 5000 N/mm ² |
| Adhesion Strength (7 days) | |
| To concrete (TS EN 1542) | > 3,0 N/mm ² |
| To Steel | > 3,5 N/mm ² |
| Application Thickness | Min. 0,5 mm, Max. 30 mm |
| Application Floor Temperature | (+10 °C) - (+30 °C) |
| Service Temperature | (-30 °C) - (+80 °C) |
| Use Time | 60 min. |
| New Concrete Casting Range | Min. 5 min. Max. 40 min. |
| Full Hardening Time (+20°C) | 7 days |



6005 EPOKSI PRIMER

Epoxy Primer

It is an epoxy resin based, two-component, solvent-free, epoxy floor primer with a film-forming ability for mineral surfaces. It can be used as primer prior to epoxy based flooring and paint materials.



Places of Usage

It is used primarily as a primer material on cement based screed and concrete surfaces before epoxy flooring. Used indoors, on horizontal surfaces.

Features / Advantages

- Has low viscosity; easily penetrates the capillary gaps on the surface.
- It provides more durable and gap-free adhesion of epoxy floor coverings to the surface.
- Has high penetration ability.
- Has high adhesion strength.
- Has high mechanical resistance.
- Solvent-free, eco friendly.

Application Directions

a) Surface Preparation:

The surface must be dry, clean, sound and free of dust; oil, dirt or sticking materials must be removed from the surface; materials such as mortar, cement residues should be scraped. Prior to the application of primer on the surface, surface abrasive equipment (Shotblast, rototiger, etc.) should be used to form an open porous structure on the top layer of the application surface. Dusting should be cleaned with industrial vacuum cleaner. The corroded concrete surface should have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm². Ensure that surface moisture, relative humidity and dew point requirements are met before application.

Otherwise, the desired performance criteria from the product cannot be reached as a result of carbonation reaction on the surface. Moisture content of the surface should be maximum 4%. Relative humidity should be maximum 80%. The dew point should be above +3°C before and after the application in order to prevent the formation of condensation.

New concrete structures should be allowed to dry for a minimum of 28 days. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Epoxy Repair Mortar or Termatect Grout Mortar 6-8 hours in advance.

b) Product Preparation:

6005 Epoksi Primer is packaged in suitable quantities in two components. Each component is first mixed in itself. Component B (Hardener) is added to component A (Epoxy resin). It is mixed with 300-400 rpm mixer tip drill for 3-4 minutes until a homogenous consistency is obtained. The entire mixture is then taken to a clean container and mixed again. If part of the product is to be used, these mixing ratios should be considered.

c) Application Method:

Prepared **6005 Epoksi Primer** should be poured onto the surface and applied with a roller or trowel until a seamless layer is formed. According to the porosity of the surface, 2nd coat of **6005 Epoksi Primer** should be applied. After the primer application, if the floor application of Termatect Epoxy Self Leveling is to be made, blinding can be made with quartz or silica sand in dimension of 0.5 - 0.7 mm.



Issues to be Considered

- Avoid application at temperatures below +10°C and above +30°C.
- When mixing 6005 Epoksi Primer, a suitable drill must be used, never by hand or trowel.
- Do not add water, solvent, etc. to the mixture externally. Do not thin with thinner, etc.
- Materials should be brought to the application area at least 24 hours before the application to comply with the environmental conditions.
- The working and curing times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolongs. At high temperatures, the opposite situation is the case.
- If heating is required in the application area, only electrical, warm air blower systems should be used in order not to affect the appearance of the surface.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **6005 Epoksi Primer** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

Shelf life is 12 months from date of manufacture when stored in original (unopened) package in a dry (maximum relative humidity of 60%) and cool (temperature between +5°C and +30°C). Store in an unopened original package in a dry (maximum relative humidity of 60%) and cool (temperature between +5°C and +30°C). It should not be left in direct sunlight.

Consumption

Primer (Less porous): 0,30 - 0,50 kg/m²
Primer (Very porous): 0,7 - 1,0 kg/m²

Package

In 24 kg (A+B) set plastic buckets.

6005 Epoksi Primer

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|-------------------------------------|-------------------------------------------------|
| Components | Component A: Epoxy resin, Component B: Hardener |
| Color | RAL Colours |
| Chemical Structure | Epoxy resin based |
| Amount of Non-Volatile Solids | %100 by volume and weight |
| Density (Component A) | ~1,10 kg/l |
| Density (Component B) | ~1,00 kg/l |
| Density (Mixture) | ~1,05 kg/l |
| Pot Life | 10 C°(-50 min.) 20 C°(-30 min.) 30 C°(-15 min.) |
| Transition Time for Second Floor | 10 C°(24 hours) 20 C°(12 hours) 30 C°(8 hours) |
| Open to Pedestrian Traffic Time | 10 C°(72 hours) 20 C°(24 hours) 30 C°(18 hours) |
| Waiting Time for Light Traffic Load | 10 C°(6 days) 20 C°(4 days) 30 C°(2 days) |
| Full Curing Time | 10 C°(10 days) 20 C°(7 days) 30 C°(5 days) |
| Adhesion Strenght | ≥ 2,0 (1,5) N/mm ² |
| Abrasion Resistance | < 3000 mg |
| Carbon Dioxide Permeability | Sd ≥ 50 m |
| Water Vapor Permeability | Class III |
| Capillary Water Absorption And | |
| Water Permeability | w < 0,1 kg/m ² .h ^{0,5} |
| Chemical Resistance | Class II |



7007 EPOKSI ANKRAJ

Epoxy Anchor Paste

It is an epoxy resin based, two component, very resistant to corrosion, epoxy anchor and mounting mortar used for anchoring bolts and irons to concrete, rock or wall.

Places of Usage

- It is used in load bearing surfaces, machine foundations, installation of machine assembly and under-column plates, compressor, high speed turbine, crane rails, as coating, repair, filling and horizontal crack repair material resistant to dynamic loads, friction and impact in warehouse and loading areas, in industrial floors, airports, runways and aprons, in bridge bearings. Suitable for indoor and outdoor on horizontal surfaces.

Features / Advantages

- High resistance to chemical effects.
- It gains high strength shortly after application.
- High resistance to dynamic loads.
- It has high abrasion resistance and mechanical strength.
- Provides excellent adhesion on many dry and clean surface types.
- It is easy to mix and apply thanks to its special fillings.
- Solvent-free, eco-friendly.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Concrete must be cured for a minimum of 28 days. The compressive strength of the concrete should be minimum 25 N/mm². Make sure that the floor is completely dry before application.

The maximum moisture content of the concrete should be 5%. All metal plates and exposed rebars that will come into contact with the material must be blasted appropriately and the surface should be primed with a suitable primer within 4 hours following this process.

b) Product Preparation:

7007 Epoksi Ankraj, is packaged in appropriate quantities in two components. Component B (hardener) should be added to component A (epoxy resin) and mixed with 400-600 rpm drill with mixer tip for 1-2 minutes. The components were packaged in the correct mixing ratios. If a portion of the product is to be used, this rate should be observed.

c) Application Method:

The product is fluent and applied by pouring. It is shaped by spreading with trowel or spatula. In fillings to be made under large plates, casting should be made on one side and care should be taken not to create air pockets. After casting, the material should be swollen and help to evacuate the air. Due to the spreading properties of the material, cavity around to be filled is molded. Mold edges and joints should be closed well. In order to remove the molds easily after curing, it is appropriate to cover the contacting parts with the mold release agent. The mold width on the side on which the material will be poured shall not be more than 50 mm. It is suitable to pour the material from minimum height of 150 - 200 mm for comfortable and continuous flowability. In order to ensure full contact of the material with the bottom of the base plate, the head should be kept constant during the application so that no air gap is left in between, the application should be carried out continuously if possible, and the mixture amounts must be calculated in advance.



Issues to be Considered

- Avoid applying the product at temperatures below +10°C and above +30°C.
- **7007 Epoksi Ankraj** should be mixed with low speed mixing drill. Never mix with hand or trowel.
- Mix the components of **7007 Epoksi Ankraj** in the correct proportions. Do not add water, solvent, etc. to the mixture externally.
- The working and curing times of epoxy resin based products depend on the ambient and floor temperature. At low temperatures, the viscosity increases, the chemical reaction slows down, thus pot life and working time prolong. At high temperatures, the opposite happens.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- After the application, at least 24 hours should not be touched and water contact should be prevented for 48 hours.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7007 Epoksi Ankraj** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

Store in unopened original packaging in a dry (maximum relative humidity of 60%) and cool (temperature between + 5 °C and + 25 °C). It should not be left in direct sunlight. Protect from frost. The mouth of the containers should be tightly closed when not in use. Shelf life is 12 months from the production date when stored in unopened original packaging in a dry (maximum 60% relative humidity) and cool (+ 5 °C to + 30 °C) environment.

Consumption

The recommended amount of consumption for 1 mm thickness at 1 m²; 1,90-2,10 kg. This value may vary depending on surface and ambient conditions.

Package

In 5 kg (A+B) set plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

| | |
|--------------------------------|--------------------------------------------------|
| Shelf life | Standard RAL colors |
| Chemical structure | 12 months in unopened package in dry environment |
| Density | Epoxy resin based, solvent free grout mortar |
| Planar Drying | 2,0 ± 0,1 gr/cm ³ |
| Pot Life | 5-6 hours |
| Pre-Drying | Max 1 hours |
| Opening Time for Traffic | Min 8 hours |
| Full Hardening Time | Min 24 hours |
| Hardness (Shore D Hardnesslik) | Min 1 week |
| Flexural Strength | 83 (ASTM D 2240; DIN 53505) |
| Tensile Strength | 45 N/mm ² (DIN 52371; TS 985) |
| Compressive Strength1st Day | 19 N/mm ² (DIN 53504; TS 1967) |
| Compressive Strength7th Day | 45 N/mm ² (TS EN 12190) |
| Compressive Strength 14th Day | 70 N/mm ² (TS EN 12190) |
| | 70 N/mm ² (TS EN 12190) |



7008 EPOKSI RAPID

3 Component Epoxy Repair Mortar

It is an epoxy resin based, three component, epoxy repair mortar resistant to abrasive chemicals used for the repair of mechanically impacted concrete surfaces.



Places of Usage

- Repair of columns and beams damaged by corrosion or other reasons,
- Filling the pits formed due to abrasion,
- All kinds of stone and concrete repairs.

Features / Advantages

- Very easy to apply.
- Water and gas impermeable.
- Resistant to chemicals.
- Excellent adherence to concrete.
- Takes mechanical strength very fast.

Application Directions

a) Surface Preparation:

The age of the concrete to be applied should be minimum 4 weeks provided that it depends on the ambient conditions. The surface to be repaired should be free from water, dust, oil, dirt, etc. materials should be cleaned from the surface, there should be no weakened parts on the surface.

b) Product Preparation:

Components A and B are mixed together with a slow speed mixer. Mixing is continued until a homogeneous gray color is obtained, then component C is added and mixed again. It is solvent-free, does not dilute with thinner.

c) Application Method:

After the mixture is applied, the mortar is applied with a trowel. To ensure surface smoothness, the epoxy mortar is smoothed with a trowel.

Issues to be Considered

- Avoid application at temperatures below 10°C and above 30°C.
- **7008 Epoksi Rapid** should be mixed with the appropriate mixing drill and never mixed with hand or trowel.
- Mix the components of **7008 Epoksi Rapid** in the correct proportions. Do not add water, solvent, etc. to the mixture externally.
- The working and curing times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolong. At high temperatures, the opposite happens.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- After the application, at least 24 hours should not be touched and water contact should be prevented for 48 hours.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7008 Epoksi Rapid** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Density 1,70 ± 0,1 lt/kg²

Package

In 5 kg set

7008 Epoksi Rapid

Quality Certificates:

Manufactured according to TS EN 1504-3

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

| | |
|----------------------|-----------------------------------------------------------------------------|
| Shelf Life | 12 months in unopened package in dry environment |
| Color (A+B) | Gray |
| Density | 1,7 kg/lt |
| Compressive Strength | > 62,5 N/mm ² |
| Adhesion to concrete | > 4,00 N/mm ² (Breaking from Concrete) |
| Adhesion to Steel | > 3,00 N/mm ² |
| Flexural Strength | > 20,0 N/mm ² |
| Mixing ratio | 1:1:1,2 (by weight) |
| Able to Loading | 1 day |
| Full Strength | 7 days |
| Mixing ratio | 1 Unit A Component; 1 Unit B Component; 1,2 Unit C Component (by weight) |
| Pot Life | Approx. 30 minutes at 20 C° |
| Cleaning Time | Approx. 60 minutes at 20 C° |



7009 EPOKSI GROUT

3 Component Epoxy Grout Mortar

Epoxy resin based, three component, solvent free special graded, containing quartz aggregate, self-consolidating grout mortar.



Places of Usage

- It is a self-spreading, flowable epoxy casting mortar that can be applied on concrete, stone, mortar, steel, aluminum, asbestos cement, polyester, wood and epoxy based materials.
- It is used in machine foundations, anchoring works, fixing of roadside barriers, support and connection elements, crane rails, bridge supports.

Features / Advantages

- High mechanical strength
- Excellent abrasion resistance
- High chemical resistance
- Water impermeability
- Dry in humid environment
- No solvent required.

Application Directions

a) Surface Preparation:

All free and crumb material must be removed from the surface. All oil and dirt on the surface should be cleaned by sandblasting or compressed air spraying. Rusted iron must be removed from the rust with a wire brush or sandblasting.

b) Product Preparation:

Pour component B into component A. Mix with a low speed electric mixer until the mixture in the turbid appearance is completely homogeneous. Then pour the mixture into a suitable container and add component C slowly and continuously, mix for at least 3 minutes until a homogenous and fluent mortar is obtained.

c) Application Method:

After the mixing process is completed, pour the product into the application area and provide enough pressure (15-20 cm) to maintain the movement of the material. Cast on one side. Make sure that the required air outlet is provided. If necessary, the flow of the grout can be assisted by the steel rod. It should be noted that the strength and adhesion values of the product will also change if the mixture ratios change



Issues to be Considered

- During the application of the product, work clothes that comply with occupational health and safety rules should be worn and appropriate glasses and masks should be used.
- After the application, it should be protected against adverse weather conditions such as direct sunlight, strong wind, high air temperature (+30°C), rain and frost.
- Before the product is cured and hardened, hands, skin in contact with product should be cleaned with water and detergent.
- In case of contact with eyes, wash immediately with plenty of warm water and detergent and seek medical advice.
- Immediately after application, before hardening, the equipment should be cleaned with thinner. After the product has hardened, it should be cleaned by mechanical methods.
- It should be noted that the strength and adhesion values of the product will change if the mixture ratios change.
- No primer is used with our product.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7009 Epoksi Grout** can only be removed mechanically from the surface after hardening.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

2,3 kg/m² (For 1 mm thickness)

Package

In 15 kg set

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

| | |
|-------------------------------|--------------------------------------------------|
| Shelf Life | 12 months in unopened package in dry environment |
| Color (A+B+C) | Gray |
| Mixture Ratio | 2 Unit A, 1 Unit B, 15 Unit C (by weight) |
| Application Thickness | Between 10-50 mm |
| Consumption | 2,3 kg/m ² (For 1 mm thickness) |
| Pot Life | 30 min |
| application Temperature | (+5 C°) - (+35 C°) |
| Hardness | D60-70 |
| Firtst Drying Time | 24 hours |
| Abrasion Resistance (A+B+C) | ASTM D 4060 CS10,1000 DEV,1000 GR da 75 MG |
| Compressive Strength | 80 N/mm ² |
| Flexural Strength | 32 N/mm ² |
| Adhesion Strength to Concrete | > 3,5 N/mm ² |

7009 Epoksi Grout

Quality Certificates:

Manufactured according to TS EN 1504-3



8007 EPOKSI SELF

Epoxy Self Leveling

Epoxy resin based, two component, solvent free, self leveling (self leveling) smooth surface finish, high chemical and mechanical resistance floor covering material.



Places of Usage

It is used in multi-storey and underground car parks, storage areas, maintenance hangars, such as places exposed to moderate to heavy mechanical effects; where resistance to chemicals is required such as chemical production facilities, laboratories; in places where aesthetics, easy maintenance and cleaning are important such as shopping malls, exhibition areas, fairgrounds and in places not exposed to sunlight. Used indoors, on horizontal surfaces.

Features / Advantages

- It can mix filler in 1:1 rate depending on the desired application thickness.
- Thanks to its low viscosity, the comb marks that are formed during the application disappear quickly and a smooth appearance is obtained.
- High mechanical resistance.
- High chemical resistance.
- It is liquid impermeable.
- It is aesthetic thanks to its wide color choice and bright finish.
- Long life and easy to clean.
- Solvent-free, eco friendly.

Application Directions

a) Surface Preparation:

The surface must be dry, clean, free of strong skate; oil, dirt or adhesion preventive materials must be removed from the surface; materials such as mortar, cement residues should be scraped. Before applying the primer on the surface, an open porous structure should be formed on the cement top layer by using surface abrasive equipment (Shotblast, Rototiger etc). Dusting should be cleaned with industrial vacuum cleaner. The abraded concrete surface should have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm².

Ensure that surface moisture, relative humidity and dew point requirements are met before application. Otherwise, the desired performance criteria cannot be reached from the product as a result of carbonation reaction on the surface. Moisture content of the surface should be maximum 4%. Relative humidity should be maximum 80%.

b) Product Preparation:

21 kg is packaged in appropriate quantities. Each component is first mixed in itself. Component B (Hardener) is added to component A (Epoxy resin). It is mixed with a drill with 300 - 400 rpm mixer tip for 3-4 minutes until a homogenous consistency is obtained. The entire mixture is then taken to a clean container and mixed again. If part of the product is to be used, these mixing ratios should be considered. The dew point should be above + 3 °C before and after the application in order to prevent the formation of condensation. New concrete structures should be allowed to dry for a minimum of 28 days. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Epoxy Repair Mortar or Termatect Grout Mortar 6-8 hours in advance. After surface cleaning, it should be primed with Termatect Primer in single or double layers depending on the condition of the surface in order to increase the adhesion strength and balance the surface absorbency. Depending on the porosity and structure of the surface, the surface can be leveled with the addition of a filler. Depending on the porosity and structure of the surface, the surface can be leveled with the addition of filler. On surfaces that are moist up to 10%, it should be applied with Termatect Primer, otherwise the application should not be done. At least 20 minutes after the primer application, sand blasting is performed with appropriate filler until the product reaches saturation, the adhesion strength of the floor covering to be applied after itself must be increased, please refer to consumption table for recommended fill amount. In order to apply 8007 Epoxy Self application, the sanding primer must have gained the hardness. Please refer to the technical data sheet of the primer used, as the opening time may vary with temperature. After primer sandblasting, non-adherent fillings should be removed by sweeping or industrial broom.

(23 °C and 50% Relative Humidity)

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

APPEARANCE

Shelf Life
Chemical structure
Amount of Non-Volatile Solids
Density (Component A)
Density (Component B)
Density (Mixture)
Container Life
Opening Time to Pedestrian Traffic
Expected Time for Light Traffic
Full Curing Time
Adhesion Force
Abrasion Resistance
Impact Resistance
Carbon Dioxide Permeability
Water Vapor Permeability
Capillary Water Absorption and Water Permeability
Flexural Strength
Compressive Strength
Shore D Hardness
Chemical Resistance

Standard RAL colors
12 months in unopened package in dry environment
Epoxy resin based
By volume and weight % 100
~ 1,60 kg/l
~ 1,00 kg/l
~ 1,4 kg/l
10 °C (50 min.) 20 °C (30 min.) 30 °C (15 min.)
10 °C (72 hours) 20 °C (24 hours) 30 °C (18 hours)
10 °C (6 day) 20 °C (4 day) 30 °C (2 day)
10 °C (10 day) 20 °C (7 day) 30 °C (5 day)
≥ 2,0 (1,5) N/mm² (EN 1504 - 2 / EN 1542)
< 3000 mg (EN 1504 - 2 / EN ISO 5470-1)
≥ IR4, Class II (EN 13813 / EN ISO 6272)
sd ≥ 50 m (EN 1504 - 2 / EN 1062 - 6)
Class III (EN 1504 - 2 / EN ISO 7783 - 1)
w < 0,1 kg/m².h^{0,5} (EN 1504 - 2 / EN 1062 - 3)
≥ 50 N/mm² (EN 196-1)
≥ 75 N/mm² (EN 196-1)
76-78 (EN 1504 - 2 / DIN 53 505)
Class II (EN 1504 - 2 / EN 13529)



c) Application Method:

8007 Epoksi Self prepared mixture should be poured onto the surface and spread with the help of a notched trowel. The spiked roller should be passed over perpendicular to each other and the remaining air bubbles should be removed and the coating thickness should be balanced. In order to obtain a non-slip, blunted surface, the first sandblasting after 15 to 20 minutes following the above application, and after a maximum of 30 minutes after spreading with quartz filler, a non-slip, blunted surface should be obtained. Please refer to Consumption table for the recommended fill amount.

Issues to be Considered

- Avoid application at temperatures below +10°C and above +30°C.
- Can be applied outdoors, but no color stability.
- When mixing **8007 Epoksi Self**, a suitable drill must be used. Never mix with hand or trowel.
- Do not add water, solvent, etc. to the mixture externally. Do not dilute with thinner, etc.
- Materials should be brought to the application area at least 24 hours before the application to comply with the environmental conditions.
- The working and curing times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolongs. At high temperatures, the opposite is the case.
- If heating is required in the application area, only electrical, warm air blower systems should be used not to affect the appearance of the surface.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not step on at least 24 hours after application. Avoid water contact and condensation for 48 hours, otherwise carbonation occurs. In this case, the surfaces are cleaned with sandpaper and a thin coat is applied again.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8007 Epoksi Self** can only be removed mechanically from the surface after hardening.

Storage

Maximum 3 palletes should be placed on top of each other and should be stored in a dry environment.

Consumption

See the consumption table.

Package

In 21 kg (A+B) set plastic buckets.

8007 Epoksi Self

Quality Certificates:

Manufactured according to TS EN 13813 TS EN 1504-2



8008 EPOKSI TEXTURE

Epoxy Self Leveling, Orange Pattern

It is an epoxy resin based, two component, solvent free, in orange peel appearance (textured), thixotropic floor covering material.



Places of Usage

- It is used in multi-storey and underground car parks, storage areas, maintenance hangars, such as places exposed to moderate to heavy mechanical effects; where resistance to chemicals is required such as chemical production facilities, laboratories; in places where aesthetics, easy maintenance and cleaning are important such as shopping malls, exhibition areas, fairgrounds and in places not exposed to sunlight. Used indoors, on horizontal surfaces.

Features / Advantages

- Anti-slip feature is increased thanks to its textured surface.
- High mechanical resistance.
- High chemical resistance.
- It is liquid impermeable.
- It is aesthetic thanks to its wide color choice and bright finish.
- Long life and easy to clean.
- Solvent-free, eco friendly.

Application Directions

a) Surface Preparation:

The surface must be dry, clean, free of strong skate; oil, dirt or adhesion preventive materials must be removed from the surface; materials such as mortar, cement residues should be scraped. Before applying the primer on the surface, an open porous structure should be formed on the cement top layer by using surface abrasive equipment (Shotblast, Rototiger etc). Dusting should be cleaned with industrial vacuum cleaner. The abraded concrete surface should have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm². Ensure that surface moisture, relative humidity and dew point requirements are met before application. Otherwise, the desired performance criteria cannot be reached from the product as a result of carbonation reaction on the surface.

Moisture content of the surface should be maximum 4%. Relative humidity should be maximum 80%. The dew point should be above + 3°C in order to prevent condensation formation before and after the application.

b) Product Preparation:

8008 Epoksi Texture is packaged in appropriate quantities in two components. Each component is first mixed in itself. Component B (Hardener) is added to component A (Epoxy resin). It is mixed with 300 - 400 rpm mixer tip drill for 3-4 minutes until a homogenous consistency is obtained. The entire mixture is then taken to a clean container and mixed again. If part of the product is to be used, these mixing ratios should be considered. New concrete structures should be allowed to dry for a minimum of 28 days. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Epoxy Repair Mortar or Termatect Grout Mortar 6-8 hours in advance. After the surface cleaning, it should be primed with Termatect Primer in single or double layers depending on the condition of the surface in order to increase the adhesion strength and balance the surface absorbency. Depending on the porosity and structure of the surface, the surface can be leveled with the addition of filler. On surfaces that are moist up to 10%, it should be applied with Termatect Primer, otherwise the application should not be done.

c) Application Method:

8008 Epoksi Texture prepared mixture should be poured onto the surface and spread with the help of a notched trowel. It should be ensured that the textured coating forms a seamless layer on the surface by crossing it perpendicular to each other with a short pile roller or coral roller. As an alternative to the above application, 0.1 - 0.5 mm quartz / silica filler should be added into 8008 Epoxy Texture to obtain a non-slip, blunted surface. Please refer to Consumption table for recommended fill amount.

Issues to be Considered

- Avoid application at temperatures below +10°C and above +30°C.
- When mixing **8008 Epoksi Texture**, a suitable drill must be used. Never mix with hand or trowel.
- Do not add water, solvent, etc. to the mixture externally. Do not dilute with thinner, etc.
- Materials should be brought to the application area at least 24 hours before the application to comply with the environmental conditions.
- The working and curing times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolongs. At high temperatures, the opposite is the case.
- If heating is required in the application area, only electrical, warm air blower systems should be used not to affect the appearance of the surface.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not step on at least 24 hours after application. Avoid water contact and condensation for 48 hours, otherwise carbonation occurs. In this case, the surfaces are cleaned with sandpaper and a thin coat is applied again.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8008 Epoksi Texture** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

Maximum 3 palettes should be placed on top of each other and should be stored in a dry environment.

Consumption

See the consumption table.

Package

In 21 kg (A+B) set plastic buckets.

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

APPEARANCE

Shelf Life
 Chemical structure
 Amount of Non-Volatile Solids
 Density (Component A)
 Density (Component B)
 Density (Mixture)
 Container Life
 Opening Time to Pedestrian Traffic
 Expected Time for Light Traffic
 Full Curing Time
 Adhesion Force
 Abrasion Resistance
 Impact Resistance
 Carbon Dioxide Permeability
 Water Vapor Permeability
 Capillary Water Absorption and Water Permeability
 Flexural Strength
 Compressive Strength
 Shore D Hardness
 Chemical Resistance

(23 °C and 50% Relative Humidity)

Standard RAL colors
 12 months in unopened package in dry environment
 Epoxy resin based
 By volume and weight % 100
 ~ 1,50 kg/l
 ~ 1,00 kg/l
 ~ 1,45 kg/l
 10 °C (50 min.) 20 °C (30 min.) 30 °C (15 min.)
 10 °C (72 hours) 20 °C (24 hours) 30 °C (18 hours)
 10 °C (6 day) 20 °C (4 day) 30 °C (2 day)
 10 °C (10 day) 20 °C (7 day) 30 °C (5 day)
 ≥ 2,0 (1,5) N/mm² (EN 1504 - 2 / EN 1542)
 < 3000 mg (EN 1504 - 2 / EN ISO 5470-1)
 ≥ IR4, Class II (EN 13813 / EN ISO 6272)
 sd ≥ 50 m (EN 1504 - 2 / EN 1062 - 6)
 Class III (EN 1504 - 2 / EN ISO 7783 - 1)
 w < 0,1 kg/m².h^{0,5} (EN 1504 - 2 / EN 1062 - 3)
 ≥ 25 N/mm² (EN 196-1)
 ≥ 50 N/mm² (EN 196-1)
 76-78 (EN 1504 - 2 / DIN 53 505)
 Class II (EN 1504 - 2 / EN 13529)

8008 Epoksi Texture

Quality Certificates:

Manufactured according to TS EN 13813
 TS EN 1504-2



SU İZOLASYON

ürünleri



3001 KRISTALIZE PLUS

Crystallized Waterproofing Mortar

It is cement based, crystalline powdered mortar with capillary effect which is applied positively and negatively, becomes active with water and moisture, consists of chemicals and specially selected fine aggregate.



Places of Usage

- It is used;
 - Waterproofing of horizontal and vertical surfaces,
 - Waterproofing from negative or positive side,
 - For waterproofing of underground and above ground structures,
 - Waterproofing of concrete, plaster and screed.

Features / Advantages

- Easy to prepare and apply.
- It is applied with a brush.
- 3001 Kristalize Plus fills capillary gaps with permanent (insoluble) crystals formed by it and provides water impermeability.
- Protects concrete and reinforcement from corrosive effects of water.
- Resistant to negative and positive water pressure.
- Water vapor permeable.
- Resistant to freeze-thaw cycle.
- The crystals formed by mortar do not dissolve, not leave from surface and not aging.

Application Directions

a) Surface Preparation:

The application surfaces must be moist and dry surfaces should be moistened before application. Humidification is performed 24 hours before application and again 2 hours before the surface is fully saturated with water. Care should be taken not to accumulate water on the surfaces. Surfaces must be clean, sound, carrier and free from free particles.

Layers such as oil, grease, dirt, paint, cement slurry, rust, molding oil, salt efflorescence that reduce adherence should be thoroughly cleaned before application. The surfaces should be roughened by mechanical methods in the required areas. Surfaces to be applied should be free of pits, fractures, segregation, mold defects, cracks, be smooth and not have dust emission. Such defects should be corrected with a repair mortar consisting of Termatect Repair Mortar and Termatect Latex mixture before application. Dilatations should be elastically insulated with Flex Band.

b) Product Preparation:

8.0-8.5 liters of clean water is prepared in a suitable pot. **3001 Kristalize Plus** (25 kg) is added by continuous mixing. Mixing is continued for approximately 3 minutes. Mixing must be done with the help of a low speed (400 rpm) mixer and mixer tip. As a result of mixing, a homogenous, lump-free and spreadable mortar is obtained.

c) Application Method:

3001 Kristalize Plus is applied with a brush or suitable spraying equipment. Application is done in 2 or 3 layers. Layers should be applied homogeneously and uniformly, application should be done in the same direction on each layer. Avoid random and irregular applications. Allow to dry between layers (Minimum 3 hours) but no longer than 24 hours. The surface should be cured by moistening at intervals during 72 hours following the application. It is important that cure application is performed correctly and adequately, humidification should be done regularly and frequently.



Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add powder and water to the mortar that has expired. Mix frequently to maintain the consistency of the mortar during application.
- Since water pressure accelerates crystal formation and penetration of **3001 Kristalize Plus** into concrete, structures such as water tanks should be filled with water 24 hours after the application of topcoat **3001 Kristalize Plus**. Complete waterproofing is usually achieved after a period of 5-7 days after application. Earth fill is done at the end of this period.
- The crystal formation and penetration degree depends on the density of the concrete and the absorbency of the surface.
- Crystals formed by **3001 Kristalize Plus** may create a very non-decorative appearance. To prevent this, while top coat of **3001 Kristalize Plus** is still wet, plaster should be applied on it and paint should be applied on the plaster. If ceramic or tile application will be made, ceramic adhesive should be applied directly on the freshly applied **3001 Kristalize Plus**. If these applications will be applied on cured **3001 Kristalize Plus**, the crystals on the surface should be wiped with diluted hydrochloric acid or bleach, then plaster should be applied on it. This wiping only destroys the crystals on the surface, does not damage the crystals penetrated into the concrete.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3001 Kristalize Plus** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

Against moisture (at 2 layers) 1,0 kg / m²
Against unpressurized water (at 2 layers) 1,5 kg / m²
Against pressurized water (at 2-3 layers) 2,0 kg / m²

Package

25 kg kraft bags. (64 kraft bags / Pallett)

3001 Kristalize Plus

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life 12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+35 °C)
Mixing Ratio 7-7,5 lt water / 25 kg powder (Brush application)
12-12,5 lt water / 25 kg powder (Spray application)
Pot Life 40 minutes
Consumption 1 -1,2 kg/m² one layer (For 1 mm thickness)
Getting Into Use Time 5 days

PERFORMANCE INFORMATION

Watertightness 7 bar (Negative and positive side)
Adhesion Strength (EN 1542) ≥ 1,00
Water Vapor Permeability (EN ISO 7783) Class I; Sd <5 (Sd: Equivalent air layer thickness)
Capillary Water Absorption Valur (EN 1062-3) < 0,1kg/m²h^{0,5}
Dangerous Goods See Safety Data Sheet.
Reaction to Fire A1
Compression Strength (28 days) 27,0 N/mm²
Flexural Strength (28 days) 8,0 N/mm²
Application Temperature +5 °C +30 °C
Density of Fresh Mortar Mixture 1,88 g/cm³
Fresh Casting Density 1,14 g/cm³



3002 IZO COAT

Single Component Waterproofing Material

It is a single component, cement based, waterproofing mortar containing chemical additives providing water impermeability.



Places of Usage

• Suitable for use in basement walls, water tanks. It is used indoors and outdoors, horizontal and vertical surfaces.

Features / Advantages

- It provides the surface is resistant to water pressure coming from the positive side.
- Has high adhesion strength.

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will reduce the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and the gaps formed should be filled with Termatect Sealant Mortar or Termatect Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius.

The application surface should be wet thoroughly and wait until it becomes wet/dry. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials are exposed to the wind, the mixing water of the material can only be increased by 10% for the first coat.

b) Product Preparation:

The water in appropriate amount is poured into the clean mixing vessel with a scale. **3002 Izo Coat** is added slowly and mixed with a 400-600 rpm mixer for 3-5 minutes until a uniform and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

3002 Izo Coat waterproofing mortar is applied in two coats by brush. After the first coat is fully dry, the second coat is applied in a direction perpendicular to the first coat. To ensure continuity of insulation, joints of corners and edges should be chamfered with Termatect Repair Mortar. Where chamfering is not possible, Termatect Tape should be applied in areas with poor water impermeability, such as joints of edge, corner. In case the subsequent coat application is made 12 hours or more after the previous coat application, the surface should be moistened again before application.



Issues to be Considered

- If the ambient and surface temperature is below +5°C or above +25°C, suitable temperatures should be waited for **3002 Izo Coat** application. In addition, application should not be made in extreme hot, rainy or windy weather.
- In exterior surface applications, the surface must be protected from sun, wind, rain and frost for the first 24 hours.
- **3002 Izo Coat** applied at +23 °C gains mechanical strength after 2 days, becomes water impermeable after 7 days and reaches its final strength after 14 days. High temperatures shorten the time, low temperatures prolong.
- In application, wet film thickness should not exceed 2 mm in one layer. Application should be done in at least two coats.
- Places required to be walked on should be covered with Termatect Screed or ceramic.
- For pools, vibrating floors and surfaces tent to deflate, **3002 Izo Coat** should be used.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3002 Izo Coat** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended consumption for 2 mm film thickness; 3,5 kg/m². This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallett)

3002 Izo Coat

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|---------------------------------------------------|--------------------------------------------------|
| APPEARANCE | Gray powder |
| Shelf life | 12 months in unopened package in dry environment |
| Chemical structure | Contains cement-based, water-repellent additives |
| Dry Density | 1,20 ± 0,01 gr/cm ³ |
| Mortar Density | 1,65 ± 0,01 gr/cm ³ |
| Grain Size | ≤ 600 µm |
| Container Life | Max 45 min. |
| Expected Time Between Floors | 4-5 hours |
| Water Vapor Permeability | Class I < 5 m |
| Capillary Water Absorption and Water Permeability | < 0,1 kg/m ² .h ^{0,5} |
| Through Pullout Test | ≥ 0,8 N/mm ² |
| Adhesion Strength | A1 |
| Reaction to Fire | A1 |



3003 IZO ÇİM

Insulation Cement

It is a high performance additive in powder form which precisely prevents water and moisture, used by mixing with concrete and mortar. Since Izoçim cement paste forms a waterproof layer in the capillary cavities of mortars and concretes, it provides absolutely impermeability to water and moisture.



Places of Usage

- Internal and external,
- Water tanks, swimming and ornamental pools,
- Sealing pits, silos,
- Bare concrete, cupola insulations,
- Foundation walls, retaining and curtain walls,
- Precise results are obtained in wet areas such as foundations and bridges, kitchens, balconies, terraces, bathrooms, WC, in all areas where water and moisture impermeability is desired.

Features / Advantages

- Economic
- It precisely provides water and moisture impermeability, prevents the corrosion of the reinforcement in the concrete structure, does not adversely affect the strength of the carrier systems, on the contrary, it has the property of increasing the strength.

| MANUFACTURE | CEMENT | SAND | GRAVEL | LIME | IZO ÇİM |
|------------------------------|---------|-------------------------|--------|------|---------|
| Grouting Mortar | | 4 tins polish | --- | --- | 10 kg |
| Screed and Lime Free Plaster | 6 Sacks | 1 m ³ coarse | --- | --- | 60 kg |
| Concrete | * | * | * | --- | 30 kg* |

* The amount of cement, sand and gravel is adjusted according to the properties of the desired concrete.

Application Directions

a) Grouting Mortar:

According to the proportions specified in the dosage table, the sieved sand is discharged to a clean surface. **3003 Izo Çim** is poured on sand and mixed well with a shovel. Cement is added to this admixture and continue to mix. Enough water is added and it is became mortar and left rest for about 30 minutes. 12 shovels are taken from the matured mortar and diluted in a container until it reaches a dark buttermilk consistency. The grouting obtained is applied to the floor with a brush or broom. It is thrown with a grouting spreading machine on vertical surfaces.

b) Screed and Lime-Free Plasters:

3003 Izo Çim is mixed well with coarse sand according to the ratios stated in the dosage table. Mixing is continued by adding cement to the admixture. Enough water is added and it is became mortar. Wooden trowel and sponge should be used for leveling the screed, never polishing with steel trowel.

c) Concrete:

For concrete walls and foundation, 30 kg of **3003 Izo Çim** is added into 1 m³ of concrete. If the mixtures will be mixed with a mixer in concrete manufacturing; **3003 Izo Çim** is added directly to the mixer and mixed for 5 minutes.

Issues to be Considered

- Mixing order must be strictly followed in the preparation of **3003 Izo Çim** mortar.
- Before the application of screed with **3003 Izo Çim**, the surface of the concrete should be cleaned from mortar, etc. and the surface should be washed with water
- If the application of screed with **3003 Izo Çim** is to be done on grouting, it is recommended to make this screed immediately after the grouting application and wet the surface with water when it starts to dry. Particular attention should be paid to irrigation in summer months.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3003 Izo Çim** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Varies by application area. Contact Termatect Technical Service according to the intended use.

Package

30 kg kraft bags.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf life: Gray powder
12 months in unopened package in dry environment

APPLICATION INFORMATION

Density: 1,13 kg/l
pH: 9,56
Water Absorption: 0,078 kg/m²
Pot Life: 60 min.
Temperature Resistance: -20 °C / +80 °C
Application Temperature: +5 °C / +25 °C



3004 PROLIKIT

Semi Elastic Liquid Membrane

It is acrylic resin based, water based, single component, ready to use, resistant to positive water pressure, undercoat semi-elastic waterproofing material.



Places of Usage

- It is used as waterproofing material under ceramics in all buildings, especially in wet places such as balconies, terraces, bathrooms, toilets and kitchens.

Features / Advantages

- Ready to use.
- Is applied with brush and roller.
- Maintains elasticity even at low temperatures.
- Provides high adherence.
- Easy and fast to apply.

| 3004 Prolikit | Consumption |
|-----------------------------|------------------------|
| For 1 mm wet film thickness | 1-36 kg/m ² |
| For 1 mm dry film thickness | 1-48 kg/m ² |
| In gutters and valleys | 2-3 kg/m ² |
| In terraces | 3-4 kg/m ² |

Application Directions

a) Surface Preparation:

The application surface must be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Appropriate Termatect Repair Mortars should be used on unlevel surfaces. New plastered and reinforced concrete surfaces should be waited to complete the curing period of 28 days. Corners and edges should be chamfered with a 4 cm diameter with Termatect Sealant Mortar or Termatect Structural Repair Mortar. Surface gaps can be repaired with Termatect Sealant Mortar or Termatect Structural Repair Mortar. The flow of water towards the outlet must be ensured. Deep cracks should be filled with joint sealant.

b) Product Preparation:

3004 Prolikit, is a ready - to - use material. In the primer application, 50% water is added to **3004 Prolikit** and mixed with 400-600 rpm mixer for 3-5 minutes. First coat and second coat should be applied without mixing with water.

c) Application Method:

The prepared primer should be applied to the surface with a brush or roller (200 gr/m²). After the primer has dried, the other coats should be applied to form a wet film thickness of 1 -1,50 mm. Cracks, joints, corners and edges should be supported with the appropriate waterproofing net after the first coat application.

Issues to be Considered

- **3004 Prolikit** is not suitable for water tank, swimming pool and foundation insulation.
- If the ambient and surface temperature to be applied is below +5°C or above +30°C, suitable temperatures should be waited.
- The applied material must be protected from rain and frost for the first 24 hours.
- In applications, each layer thickness should not exceed 1-1,50 mm.
- **3004 Prolikit** applied at + 23°C gains sufficient mechanical strength after 5 days.
- After 7 days it becomes waterproof. It reaches its final strength after 14 days. At low temperatures these times are prolonged.
- Precautions should be taken on surfaces that need to be walked on. Reinforce with appropriate net.
- Do not apply on wet and damp surfaces.
- Attention should be paid to the drying time between the coats.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3004 Prolikit** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See the consumption table.

Package

In 20 kg and 3,5 kg plastic buckets.

3004 Prolikit

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life

White consistent liquid

12 months in unopened package in dry environment

APPLICATION INFORMATION

Material Structure

Modified Polymer Resin Based Coating

Colour

White

Consistency

Brush Consistency

Density

~1,36 kg/lt

Floor Temperature to be Applied

+5 °C +30 °C

Service Temperature

-20 °C +80 °C

Elasticity

% 80

Surface Protection Time

4-5 hours



3005 PROLIKIT PLUS UV

Fully Elastic Liquid Membrane

It is elastomeric acrylic resin based, water based, single component, ready to use, elastic, resistant to sunlight and walkable, easily applied to all kinds of floors, white colored (paintable) full elastic waterproofing material.



Places of Usage

- Outdoor, vertical and horizontal applications,
- On inclined roofs,
- Concrete, zinc and precast valleys,
- On the northern exterior walls of silos, warehouses and buildings.

Features / Advantages

- Ready to use.
- Is applied with a brush.
- Not affected by sunlight, UV resistant.
- Maintains elasticity even at low temperatures.
- Provides high adherence.
- Easy and fast to apply.
- Resistant to freeze-thaw cycle.
- Paintable.

| 3005 Prolikit Plus UV | Consumption |
|-----------------------------|------------------------|
| For 1 mm wet film thickness | 1-36 kg/m ² |
| For 1 mm dry film thickness | 1-48 kg/m ² |
| In gutters and valleys | 2-3 kg/m ² |
| In terraces | 3-4 kg/m ² |

Application Directions

a) Surface Preparation:

The application surface must be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Appropriate Termatect Repair Mortars should be used on unlevel surfaces. New plastered and reinforced concrete surfaces should be waited to complete the curing period of 28 days. Corners and edges should be chamfered with a 4 cm diameter with Termatect Sealant Mortar or Termatect Structural Repair Mortar. Surface gaps can be repaired with Termatect Sealant Mortar or Termatect Structural Repair Mortar. The flow of water towards the outlet must be ensured. Deep cracks should be filled with joint sealant.

b) Product Preparation:

3005 Prolikit Plus UV, is a ready-to-use material. In the primer application, 50% water is added to **3005 Prolikit Plus UV** and mixed with 400-600 rpm mixer for 3-5 minutes. In the first coat application, 20% water should be added and mixed with a mixer of 400-600 rpm for 3-5 minutes. Second coat should be applied without mixing with

c) Application Method:

The prepared primer should be applied to the surface with a brush or roller (200 gr/m²). After the primer has dried, the other coats should be applied to form a wet film thickness of 1 - 1,50 mm. Cracks, joints, corners and edges should be supported with the appropriate waterproofing net after the first coat application.

d) Coloring:

3005 Prolikit Plus UV, is produced in white color. It can be colored with pastry pigment at a rate not exceeding 5% of the amount of material. **3005 Prolikit Plus UV** can be painted with acrylic based exterior paint after drying.

Issues to be Considered

- **3005 Prolikit Plus UV** is not suitable for water tank, swimming pool and foundation insulation.
- If the ambient and surface temperature to be applied is below +5°C or above +30°C, suitable temperatures should be waited.
- The applied material must be protected from rain and frost for the first 24 hours.
- In applications, each layer thickness should not exceed 1-1,50 mm.
- **3005 Prolikit Plus UV** applied at + 23°C gains sufficient mechanical strength after 5 days.
- After 7 days it becomes waterproof. It reaches its final strength after 14 days. At low temperatures these times are prolonged.
- Precautions should be taken on surfaces that need to be walked on. Reinforce with appropriate net.
- Do not apply on wet and damp surfaces.
- Attention should be paid to the drying time between the coats.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3005 Prolikit Plus UV** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See the consumption table.

Package

In 20 kg and 3,5 kg plastic buckets.

3005 Prolikit Plus UV

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

White consistent liquid
Shelf Life
12 months in unopened package in dry environment

APPLICATION INFORMATION

Material Structure
Modified Polymer Resin Based Coating
Colour
White
Consistency
Brush Consistency
Density
~1,36 kg/lit
Floor Temperature to be Applied
+5 °C +30 °C
Service Temperature
-20 °C +80 °C
Elasticity
% 320
Surface Protection Time
4-5 hours



3006 PROLIKIT MAX UV

Super Elastic Liquid Membrane

It is elastomeric acrylic resin based, water based, single component, ready to use, elastic, resistant to sunlight and walkable, easily applied to all kinds of floors, white colored (paintable) super elastic waterproofing material.



Places of Usage

- Outdoor, vertical and horizontal applications,
- On inclined roofs,
- Concrete, zinc and precast valleys,
- On the northern exterior walls of silos, warehouses and buildings.

Features / Advantages

- Ready to use.
- Is applied with a brush.
- Not affected by sunlight, UV resistant.
- Maintains elasticity even at low temperatures.
- Provides high adherence.
- Easy and fast to apply.
- Resistant to freeze-thaw cycle.
- Paintable.

| 3006 Prolikit Max UV | Consumption |
|--------------------------------|------------------------|
| 1 mm ıslak film kalınlığı için | 1-36 kg/m ² |
| 1 mm kuru film kalınlığı için | 1-48 kg/m ² |
| Oluk ve derelerde | 2-3 kg/m ² |
| Teraslarda | 3-4 kg/m ² |

Application Directions

a) Surface Preparation:

The application surface must be solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Appropriate Termatect Repair Mortars should be used on unlevel surfaces. New plastered and reinforced concrete surfaces should be waited to complete the curing period of 28 days. Corners and edges should be chamfered with a 4 cm diameter with Termatect Sealant Mortar or Termatect Structural Repair Mortar. Surface gaps can be repaired with Termatect Sealant Mortar or Termatect Structural Repair Mortar. The flow of water towards the outlet must be ensured. Deep cracks should be filled with joint sealant.

b) Product Preparation:

3006 Prolikit Max UV is a ready-to-use material. In the primer application, 50% water is added to **3006 Prolikit Max UV** and mixed with 400-600 rpm mixer for 3-5 minutes. In the first coat application, 20% water should be added and mixed with a mixer of 400-600 rpm for 3-5 minutes. Second coat should be applied without mixing with water.

c) Application Method:

The prepared primer should be applied to the surface with a brush or roller (200 gr/m²). After the primer has dried, the other coats should be applied to form a wet film thickness of 1 -1,50 mm. Cracks, joints, corners and edges should be supported with the appropriate waterproofing net after the first coat application.

d) Coloring:

3006 Prolikit Max UV, is produced in white color. It can be colored with pastry pigment at a rate not exceeding 5% of the amount of material. **3006 Prolikit Max UV** can be painted with acrylic based exterior paint after drying.

Issues to be Considered

- **3006 Prolikit Max UV** is not suitable for water tank, swimming pool and foundation insulation.
- If the ambient and surface temperature to be applied is below +5°C or above +30°C, suitable temperatures should be waited.
- The applied material must be protected from rain and frost for the first 24 hours.
- In applications, each layer thickness should not exceed 1-1,50 mm.
- **3006 Prolikit Max UV** applied at + 23°C gains sufficient mechanical strength after 5 days.
- After 7 days it becomes waterproof. It reaches its final strength after 14 days.
- At low temperatures these times are prolonged.
- Precautions should be taken on surfaces that need to be walked on. Reinforce with appropriate net.
- Do not apply on wet and damp surfaces.
- Attention should be paid to the drying time between the coats.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3006 Prolikit Max UV** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

See the consumption table.

Package

In 20 kg and 3,5 kg plastic buckets.

3006 Prolikit Max UV

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

White consistent liquid

Shelf Life 12 months in unopened package in dry environment

APPLICATION INFORMATION

Material Structure Modified Polymer Resin Based Coating

Colour White

Consistency Brush Consistency

Density ~1,36 kg/lt

Floor Temperature to be Applied +5 °C +30 °C

Service Temperature -20 °C +80 °C

Elasticity % 600

Surface Protection Time 4-5 hours



3007 AQUATRANS WATER

Water Based Transparent Insulation Material

Aquatrans Water is a water-based, impregnated waterproofing material that penetrates the surface to which it is applied, creating an invisible barrier in the capillary channels.



Places of Usage

- It is recommended to prevent leakage problems caused by capillary cracks in groutings on terraces and balconies, natural stone covered floors, walls and floors covered with clay and bricks, all kinds of concrete surfaces and floors.
- It can be used indoors and outdoors, horizontal and vertical surfaces.

Features / Advantages

- It provides water impermeability by penetrating capillary cracks on application surfaces thanks to its impregnation feature.
- As it does not form a film layer, it allows the surface to breathe.
- Has UV resistance.
- Ready to use, quick and easy to apply.
- Solvent-free, eco-friendly.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or materials which prevents adherence should be removed from the surface, materials such as mortar, cement residues should be scraped.

b) Product Preparation:

Ready to use **3007 Aquatrans Water** should be applied with a brush or roller in two coats. Second layer application should be started without waiting time between the coats.

Issues to be Considered

- In order to maintain the water-repellent property of the material on the application floor, it is recommended to repeat the application every 2 years depending on the wear condition.
- In order to prevent staining on the coating material after application on surfaces with low water absorption (ceramic, porcelain, granite etc.), the surface should be wiped with a damp cleaning cloth or sponge within 10 - 15 minutes following the application. The cloth or sponge should be changed frequently during cleaning.
- It should not be applied against negative water pressure.
- The product should be used within the pot life. During the application, the products that have expired the pot life should not be used.
- **3007 Aquatrans Water** is ready to use. No foreign material should be added during application.
- Do not apply on unsecured surfaces. The durability and carrying of old surfaces should be checked before application.

- During and after the application, the surface should be protected from air currents and contact with water should be prevented.
- It should not be applied on surfaces which are in danger of frost within 24 hours, melt ice.
- In hot weather, the material should not be exposed to direct sunlight.
- Do not apply on hot surfaces with excessive wind or direct sunlight, if the application is obligatory in these ambients, the ambient and surface should be made ready for application before starting.
- Do not apply in rainy weather, the applied surface should be protected from rain for 24 hours.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3007 Aquatrans Water** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended consumption amount for single coat; 0,15 kg/m². This value may vary depending on surface and ambient conditions.

Package

10 lt, 5 lt, 1 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

| | |
|--------------------|--------------------------------------------------|
| Chemical structure | Transparent |
| Shelf Life | Silane Siloxane Based, Liquid Hydrophobic |
| | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|-------------------------------------------------|---------------------------------------------------------|
| Density | 1,00 ± 0,01 gr/cm ³ |
| pH | 7-8 |
| Pot Life | Max 3 hours |
| Application Temperature | between +5 °C to +30 °C |
| Drying Time | 40-50 min. |
| Service Temperature | -20 °C / +80 °C |
| Capillary Water Absorption and Water Absorption | < 0,1 kg/m ² .h ^{0,5} (EN 1062 - 3) |
| Penetration depth | ≥ 0,5 mm (TS EN 1504 - 2) |



3008 ELASTICO 2K

Semi Elastic Waterproofing Mortar

It is cement and acrylic based, semi-elastic, two component waterproofing material. The two components should be mixed together to provide insulation. It is resistant to positive water pressure.



Places of Usage

It is used;

- Indoors - outdoors, vertical and horizontal applications from the direction of water,
- On terraces (on condition of protection)
- In wet areas such as WC, bathroom, kitchen and balcony,
- Insulation in flower head.

Features / Advantages

- Semi-flexible and waterproof.
- Easy to prepare and apply.
- Can be applied by brush or spraying machine.
- Has long working time.
- Due to its high adhesion performance and semi-flexible structure, it forms a waterproof layer under screed and ceramic.
- It forms jointless, seamless, permanent, waterproof coating.
- Resistant to chemicals and salt solutions in soil.
- Water vapor permeable.
- Resistant to freeze-thaw cycle.

| 3008 Elastico 2K | Component A | Component B |
|------------------|-------------|-------------|
| Mixture Amount | 20 kg | 5 kg |
| Mixture Density | 1,90 kg/lt | |

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and if any, active water leakages and gaps should be filled with Termatect Sealant Mortar or Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius. Application surface is wet and wait until the application surface is wet and dry/wet. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials remain in the wind, only 10% of component B can be added to the mixed material for the first layer.

b) Product Preparation:

Liquid component B (**3008 Elastico 2K**) is poured into a clean application bucket and powder component A (**3008 Elastico 2K**) is added slowly and they are mixed with a 400-600 rpm mixer for 3-5 minutes until a homogenous and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

Prepared **3008 Elastico 2K** mixture is applied in two or three layers with the help of a Thoro brush. The direction of brush application on each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not add water to the mixture externally.
- Always powder component should be added to the liquid component.
- The wet film thickness during application should not exceed 2 mm for one coat.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3008 Elastico 2K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

First layer consumption: 1,40 kg/m² mixture
 Second layer consumption: 1,20 kg/m² mixture
 Third layer consumption: 1,00 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
 Component B: In 5 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Component A: Contains Mineral Filler, Polymer Modified Additives and Special Cement.
 Component B: Copolymer Acrylic Dispersion
 12 months in unopened package in dry environment

Shelf Life

APPLICATION INFORMATION

| | |
|--------------------------------------------|---------------------------|
| Color | Gray |
| Adhesion Strength | ≥ 1,50 N/mm ² |
| Pressurized Water Resistance (DIN 1048) | 2 bar pozitive |
| Capillary Water Absorption (TS EN 12808-5) | ≥ 0,10 gr (After 4 hours) |
| Application Floor Temperature | +5 °C / +35 °C |
| Service Temperature | -20 °C / +80 °C |
| Resting Time | 3-5 min. |
| Using Time | 2 hours |
| Mechanical Strength for Getting Into Use | 2 days |
| Water Impermeability | 7 days |
| Covering on | |
| With plaster | 3 days |
| With ceramic | 3 days |

3008 Elastico 2K

Quality Certificates:

Manufactured according to TS EN 1504-2



3009-01 ELASTICO PLUS 2K

Fully Elastic Waterproofing Mortar

It is cement and acrylic based, fully elastic, with cracks block, two component waterproofing material. The two components should be mixed together to provide insulation. It is resistant to positive water pressure.



Places of Usage

- It is used in; Indoor and outdoor,
- Horizontal and vertical applications,
- Water tanks and swimming pools (provided that they are covered),
- Basic curtain insulation, retaining walls and basement insulation,
- Insulation of terrace roofs (provided that they are covered),
- Cisterns, irrigation channels, manholes, concrete pipes,
- Wet areas such as bathrooms, kitchens and balconies,
- Facilities such as hot springs, Turkish baths,
- Insulation of flower heads,
- Bonding ceramic, granite and coating materials.

Features / Advantages

- Easily applied on horizontal and vertical surfaces by brush, roller, trowel or spraying machine.
- Provides seamless and jointless waterproofing.
- Provides high performance water impermeability.
- It is elastic, does not shrink and does not crack.
- It is water vapor permeable and allows concrete to breathe.
- Non-toxic, ideal for drinking water tanks.
- Due to its flexibility and high adhesion, it forms an excellent insulation layer under ceramic and screed.
- Protects concrete surfaces from carbonation and chlorid.

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and if any, active water leakages and gaps should be filled with Termatect Sealant Mortar or Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius. Application surface is wet and wait until the application surface is wet and dry/wet. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials remain in the wind, only 10% of component B can be added to the mixed material for the first layer.

b) Product Preparation:

Liquid component B (**3009-01 Elastico Plus 2K**) is poured into a clean application bucket and powder component A (**3009-01 Elastico Plus 2K**) is added slowly and they are mixed with a 400-600 rpm mixer for 3-5 minutes until a homogenous and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

Prepared **3009-01 Elastico Plus 2K** mixture is applied in two or three layers with the help of a Thoro brush. The direction of brush application on each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions.

| 3009-01 Elastico Plus 2K | Component A | Component B |
|--------------------------|-------------|-------------|
| Mixture Amount | 20 kg | 10 kg |
| Mixture Density | 1,80 kg/lt | |

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not add water to the mixture externally.
- Always powder component should be added to the liquid component.
- The wet film thickness during application should not exceed 2 mm for one coat.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3009-01 Elastico Plus 2K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

First layer consumption: 1,50 kg/m² mixture
Second layer consumption: 1,50 kg/m² mixture
Third layer consumption: 1,00 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
Component B: In 10 lt plastic jerrycans.

3009-01 Elastico Plus 2K

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

APPEARANCE

Shelf Life

APPLICATION INFORMATION

| | |
|--------------------------------------------|-----------------------------------------------------|
| Color | Gray |
| Adhesion Strength | ≥ 1,50 N/mm ² |
| Flexural Strength (EN 196-1) | ≥ 3,00 N/mm ² |
| Elasticity Module (EN 13412) | ≥ 2000 N/mm ² |
| Water Penetration Inside (DIN 1048) | 7 bar Pressure-No leakage (2 mm dry film thickness) |
| Capillary Water Absorption (TS EN 12808-5) | ≤ 0,1 gr (After 4 hours) |
| Water Vapor Coefficient | ≥ 3,64x 10 ⁻⁴ cm ² /s |
| Chlorine Ion Diffusion (ASTM C 1202) | 260 Coulomb |
| Chlorine Ion Spreading Coefficient | 1,04x10 ⁻⁷ |
| CO ₂ Spreading Resistance | Sc ≥ 89 cm (1 mm dry film thickness) |
| Application Floor Temperature | +5 °C / +25 °C |
| Service Temperature | -20 °C / +80 °C |
| Resting Time | 3-5 min. |
| Using Time | 2 hours |

(23 °C and 50% Relative Humidity)

Component A: Contains Mineral Filler, Polymer Modified Additives and Special Cement.
Component B: Copolymer Acrylic Dispersion
12 months in unopened package in dry environment



3009-02 ELASTICO PLUS UV 2K

Fully Elastic UV Waterproofing Mortar

It is extra elastic, UV resistant waterproofing and concrete protection mortar that forms an effective barrier against salts, can be applied indoors and outdoors, consisting of emulsion polymer based liquid component, cement based powder component containing chemical additives that increase water impermeability and workability.



Places of Usage

- Indoors-outdoors, vertical and horizontal applications from the direction of water,
- In basic insulation,
- In retaining walls,
- On floors that are thought to make deflection,
- On terraces (can be used under light load without protection.)
- In wet areas such as WC, bathroom, kitchen and balcony,
- In swimming pools,
- In drinking and utility water tanks,
- In facilities such as hot springs and Turkish baths,
- In sea water channels,
- Where waterproofing and protection against salty water is required,
- Protection of concrete surfaces against carbonation and chlorine attacks,
- Walking paths of marinas,
- For insulation of flower heads.
- In areas where UV resistance is required.

Features / Advantages

- 3009-02 Elastico Plus UV 2K with a thickness of 1 mm provides equivalent protection to concrete over 80 cm against carbonation.
- Waterproof, resistant to positive water pressure of 7 bar.
- Has excellent adhesion properties.
- Easy to prepare and apply.
- It is applied with brush and spraying machine.
- Long working time.
- Resistant to UV rays.
- Suitable for light pedestrian traffic.
- Water vapor permeable.
- High durability.
- Resistant to freeze-thaw cycle.
- High resistance to carbon dioxide and chlorine ions.
- While a curing time of 7-28 days is required for conventional waterproofing materials, it can be applied to a fresh concrete of 24 hours.
- It can be used safely in drinking water tanks.

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

APPEARANCE

Shelf Life

APPLICATION INFORMATION

| | |
|--------------------------------------------|-----------------------------------------------------|
| Color | Gray |
| Adhesion Strength | $\geq 1,50 \text{ N/mm}^2$ |
| Flexural Strength (EN 196-1) | $\geq 3,00 \text{ N/mm}^2$ |
| Elasticity Module (EN 13412) | $\geq 2000 \text{ N/mm}^2$ |
| Water Penetration Inside (DIN 1048) | 7 bar Pressure-No leakage (2 mm dry film thickness) |
| Capillary Water Absorption (TS EN 12808-5) | $\leq 0,1 \text{ gr (After 4 hours)}$ |
| Water Vapor Coefficient | $\geq 3,64 \times 10^{-4} \text{ cm}^2/\text{s}$ |
| Chlorine Ion Diffusion (ASTM C 1202) | 260 Coulomb |
| Chlorine Ion Spreading Coefficient | $1,04 \times 10^{-7}$ |
| CO ₂ Spreading Resistance | $S_c \geq 89 \text{ cm (1 mm dry film thickness)}$ |
| Application Floor Temperature | +5 °C / +25 °C |
| Service Temperature | -20 °C / +80 °C |
| Resting Time | 3-5 min. |
| Using Time | 2 hours |

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and if any, active water leakages and gaps should be filled with Termatect Sealant Mortar or Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius. Application surface is wet and wait until the application surface is wet and dry/wet. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials remain in the wind, only 10% of component B can be added to the mixed material for the first layer.

b) Liquid Preparation:

Product component B (3009-02 Elastico Plus UV 2K) is poured into a clean application bucket and powder component A (3009-02 Elastico Plus UV 2K) is added slowly and they are mixed with a 400-600 rpm mixer for 3-5 minutes until a homogenous and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

Prepared 3009-02 Elastico Plus UV 2K mixture is applied in two or three layers with the help of a Thoro brush. The direction of brush application on each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions.

(23 °C and 50% Relative Humidity)

Component A: Contains Mineral Filler, Polymer Modified Additives and Special Cement.

Component B: Copolymer Acrylic Dispersion

12 months in unopened package in dry environment

| 3009-02 Elastico Plus UV 2K | Component A | Component B |
|-----------------------------|-------------|-------------|
| Mixture Amount | 20 kg | 10 kg |
| Mixture Density | 1,80 kg/lt | |

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not add water to the mixture externally.
- Always powder component should be added to the liquid component.
- The wet film thickness during application should not exceed 2 mm for one coat.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. 3009-02 Elastico Plus UV 2K can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

First layer consumption: 1,50 kg/m² mixture
Second layer consumption: 1,50 kg/m² mixture
Third layer consumption: 1,00 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
Component B: In 10 lt plastic jerrycans.

3009-02 Elastico Plus UV 2K

Quality Certificates:

Manufactured according to TS EN 1504-2



3011-01 WATER PROFF 2K

Super Elastic Waterproofing Mortar

It is extra elastic, resistant to positive and negative water pressure waterproofing and concrete protection mortar that forms an effective barrier against salts, can be applied indoors and outdoors, consisting of emulsion polymer based liquid component, cement based powder component containing chemical additives that increase water impermeability and workability.



Places of Usage

- Indoors - outdoors, vertical and horizontal applications,
- On terraces, (provided that the surface is protected in gray applications)
- In soft water (pH 3 to pH 7) storage pools used in textile industry,
- In water tanks and olympic swimming pools, In elevator pits,
- In wet areas such as WC, bathroom, kitchen and balcony,
- In areas sensitive to movement, vibration and light seating as part of the foundation waterproofing system,
- For protection of concrete from water, carbonation and de-icing salts,
- In facilities such as hot springs and Turkish baths.

Features / Advantages

- Easy to prepare and apply.
- Can be applied by brush or spraying machine.
- Long working time.
- Good chemical resistance to domestic waste water and other medium aggressive liquids.
- Resistant to negative and positive water pressure. (1 bar negative - 1.5 bar positive)
- Water vapor permeable.
- Due to its high adhesion performance and flexibility, it forms a perfect waterproof layer under screed and ceramic without being affected by deformation.
- High durability.
- **3011-01 Water Proff 2K** eliminates cracks up to 0,60 mm when applied with a thickness of 2 mm and eliminates cracks up 1,20 mm when reinforced with waterproofing net.
- Suitable for light pedestrian traffic.
- Has high resistance to CO₂ ions.
- Does not crack.
- Resistant to freeze-thaw cycle.
- Safely used in drinking water tanks. (Test report available.)

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and if any, active water leakages and gaps should be filled with Termatect Sealant Mortar or Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius. Application surface is wet and wait until the application surface is wet and dry/wet. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials remain in the wind, only 10% of component B can be added to the mixed material for the first layer.

b) Product Preparation:

Liquid component B (**3011-01 Water Proff 2K**) is poured into a clean application bucket and powder component A (**3011-01 Water Proff 2K**) is added slowly and they are mixed with a 400-600 rpm mixer for 3-5 minutes until a homogenous and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

Prepared **3011-01 Water Proff 2K** mixture is applied in two or three layers with the help of a Thoro brush. The direction of brush application on each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions. Reinforcement of **3011-01 Water Proff 2K** with waterproofing net: First coat is applied with Thoro brush. After drying, the mesh is laid and the second and third coats are applied on it.

| 3011-01 Water Proff 2K | Component A | Component B |
|------------------------|-------------|-------------|
| Mixture Amount | 20 kg | 10 kg |
| Mixture Density | 1,80 kg/lt | |

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not add water to the mixture externally.
- Always powder component should be added to the liquid component.
- The wet film thickness during application should not exceed 2 mm for one coat.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3011-01 Water Proff 2K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

First layer consumption: 1,50 kg/m² mixture
Second layer consumption: 1,30 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
Component B: In 10 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Component A: Contains Mineral Filler, Polymer Modified Additives and Special Cement.
Component B: Copolymer Acrylic Dispersion

Shelf Life

12 months in unopened package in dry environment

APPLICATION INFORMATION

Color
Adhesion Strength (28 days)
Pressurized Water Resistance
Freeze-Thaw Resistance (ISO/DIS 4846.2)
Capillary Water Absorption (TS EN 12808-5)
Application Floor Temperature
Service Temperature
Resting Time

Gray
≥ 1,00 N/mm²
1,00 bar (negative), 1,50 bar (positive)
No deformation after 50 cycles
≤ 0,10 gr (After 4 hours)
+5 °C / +25 °C
-20 °C / +80 °C
3-5 min.

3011-01 Water Proff 2K

Quality Certificates:

Manufactured according to TS EN 1504-2



3011-02 WATER PROFF UV 2K

Super Elastic UV Waterproofing Mortar

It is super elastic, UV resistant fully flexible waterproofing and concrete protection mortar that can be applied indoors and outdoors, consisting of emulsion polymer based liquid component, cement based powder component containing chemical additives that increase water impermeability and workability, resistant to positive and negative water pressure.



Places of Usage

- It is used; Indoors-outdoors, vertical and horizontal applications,
- On terraces, (provided that the surface is protected in gray applications)
- White color should be used in places exposed to UV.
- In soft water (pH 3 to pH 7) storage pools used in textile industry,
- In water tanks and Olympic swimming pools,
- In elevator pits,
- In wet areas such as bathrooms, kitchens and balconies,
- In areas sensitive to movement, vibration and light seating as part of the foundation waterproofing system,
- For protection of concrete from water, carbonation and de-icing salts,
- In facilities such as hot springs and Turkish baths.

Features / Advantages

- Elastic, does not shrink and crack, UV resistant.
- Provides safe applications in waterproofing of terrace roofs which will not be covered under light load.
- Easily applied on horizontal and vertical surfaces by brush, roller, trowel or spraying machine.
- Provides seamless and jointless waterproofing.
- Provides high performance water impermeability.
- It is water vapor permeable and allows concrete to breathe.
- Non-toxic, ideal for drinking water tanks.
- Due to its flexibility and high adhesion performance, it forms a perfect waterproof layer under screed and ceramic.
- Protects concrete surfaces from carbonation and chloride.

Application Directions

a) Surface Preparation:

It should be ensured that the cement-based surfaces in contact with water are solid, dry, carrier, dust-free and clean and at the same time in balance. The surface should be thoroughly cleaned of any oil, grease, rust and paraffin residues that may weaken the adherence and there should be no loose particles on the surface. Iron and wooden wedges on the surface should be removed and if any, active water leakages and gaps should be filled with Termatect Sealant Mortar or Structural Repair Mortar, and corners and edges should be chamfered at least 4 cm radius. Application surface is wet and wait until the application surface is wet and dry/wet. If the coating material loses water immediately and becomes matt, it is understood that the surface is not sufficiently wetted or dries quickly. In such cases, when the air is hot or the materials remain in the wind, only 10% of component B can be added to the mixed material for the first layer.

b) Product Preparation:

Liquid component B (**3011-02 Water Proff UV 2K**) is poured into a clean application bucket and powder component A (**3011-02 Water Proff UV 2K**) is added slowly and they are mixed with a 400-600 rpm mixer for 3-5 minutes until a homogenous and lump-free mixture is obtained. After resting for 3-5 minutes and mixing again for 30 seconds, the material is ready for use.

c) Application Method:

Prepared **3011-02 Water Proff UV 2K** mixture is applied in two or three layers with the help of a Thoro brush. The direction of brush application on each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions. Reinforcement of **3011-02 Water Proff UV 2K** with waterproofing net: First coat is applied with Thoro brush. After drying, the mesh is laid and the second and third coats are applied on it.

| 3011-02 Water Proff 2K | Component A | Component B |
|------------------------|-------------|-------------|
| Mixture Amount | 20 kg | 10 kg |
| Mixture Density | 1,44 kg/lt | |

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not add water to the mixture externally.
- Always powder component should be added to the liquid component.
- The wet film thickness during application should not exceed 2 mm for one coat.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3011-02 Water Proff 2K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

First layer consumption: 1,50 kg/m² mixture
Second layer consumption: 1,30 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
Component B: In 10 lt plastic jerrycans.

3011-02 Water Proff UV 2K

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Component A: Contains Mineral Filler, Polymer Modified Additives and Special Cement.
Component B: Copolymer Acrylic Dispersion

Shelf Life

12 months in unopened package in dry environment

APPLICATION INFORMATION

Color
Adhesion Strength (28 days)
Pressurized Water Resistance
Freeze-Thaw Resistance (ISO/DIS 4846.2)
Capillary Water Absorption (TS EN 12808-5)
Application Floor Temperature
Service Temperature
Resting Time

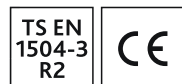
White
≥ 1,00 N/mm²
1,00 bar (negative), 1,50 bar (positive)
No deformation after 50 cycles
≤ 0,10 gr (After 4 hours)
+5 °C / +25 °C
-20 °C / +80 °C
3-5 min.



3013 FLASH STOP

Powder Water Sealant

It is a polymer reinforced powder insulation material that contains special type cement and chemical additives, used in insulation and repair of active water leaks, hardens within 2-3 minutes when reacting with water and provides high adherence.



Places of Usage

- Indoors-outdoors, vertical and horizontal applications,
- For repairing new static (stationary) cracks,
- For isolation of active water leaks,
- Waterproofing of pipe and cable passages,
- For repairing defects in concrete,
- Filling and blocking water leaks before insulation,
- In filling tie-rod iron cavities,
- For chamfering of concrete edge and corner joints and cold joint repairs.

Features / Advantages

- It is single component, mixed with water only.
- It stops active water leaks by sudden setting.
- Easy to use.
- Expands to form a waterproof sealant.
- Has high strength and stability.
- After 15 minutes, insulation materials can be applied on.
- Does not cause corrosion of steel reinforcement as it does not contain chlorine.
- Safely used in drinking water tanks.

Application Directions

a) Surface Preparation:

The application surface should be solid, dry, carrier, dust-free and clean. The surface should be cleaned from all kinds of oil, grease, rust, tar, paint and curing materials that will reduce adherence. Existing cracks and gaps should be cut with 20 mm depth and width with vertical edges. V-shaped gaps should be avoided, sharp corner details should not be left.

b) Product Preparation:

After **3013 Flash Stop** is poured into a clean application container in the amount you can consume in 60 seconds and enough water is added, mix by hand using a suitable glove. Do not mix for more than 30 seconds.

ATTENTION: Use warm or hot water in cold weather. Do not add aggregates, chemicals or foreign substances to the mixture.

c) Application Method: Repair of Active Water Leaks;

Open the crack with active water leakage until it reaches a solid ground with a width and depth of at least 20 mm. Mix **3013 Flash Stop** with appropriate amount of water, become conical shape in your hand and then when it starts to heat up, apply it to the area of active water leakage with a single movement. Apply pressure by holding your hand steady for at least 45 seconds. After the material has hardened, remove your hand slowly. Repeat the above procedure several times from the circumference of the gap to the center for repair of gaps that cannot be closed at once. Immediately after application, remove any excess material around the cavity with suitable equipment.

To Insulate Wall-Floor Cold Joint in an Existing Structure;

The cold joint must be opened with a width and depth of at least 20 mm or until it reaches solid ground. Wire, wooden wedges or similar materials should be removed from the surface. Then, the opening joint must be filled with **3013 Flash Stop** appropriately.

To Fix Metal Anchors or Fasteners to Reinforced Concrete;

On the reinforced concrete surface, the anchoring cavity should be opened with suitable mechanical drilling tools and more space than the diameter of the anchoring element. Then all dust and weak materials in the cavity should be removed. The anchoring cavity should be saturated with water before application. The prepared anchoring cavities should be filled with enough **3013 Flash Stop**. The anchoring element should be quickly turned and placed in the direction of its vertical axis and ensured that **3013 Flash Stop** dull.

| 3013 Flash Stop | 5 kg |
|------------------------|--------------|
| Amount of Mixing Water | 1,20-1,40 lt |
| Mixture Density | -2,14 kg/lt |

Issues to be Considered

- For **3013 Flash Stop** application, If the ambient and surface temperature is below +5°C or above +25°C, appropriate temperatures should be waited.
- **3013 Flash Stop** gets fast setting as a result of rising hydration temperature. It should therefore be kept moist for 15 minutes. This should be 30 minutes on dry and absorbent surfaces.
- The operating and reaction times of systems containing special cements are influenced by ambient and ground temperature and relative humidity in the air. The reaction slows down at low temperatures, which increases the pot life and working time. High temperatures accelerate the reaction and the above-mentioned times shorten accordingly.
- In order for the material to cure, the ambient and ground temperature must not fall below the minimum permissible temperature.
- In cold weather applications, to maximize the workability of the material, the packages should be conditioned at +20°C to +25°C and ready for use.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3013 Flash Stop** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

First layer consumption: 1,50 kg/m² mixture
Second layer consumption: 1,30 kg/m² mixture

Package

Component A: In 20 kg kraft bags.
Component B: In 10 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Material Structure

Gray

Includes Mineral Filler and Special Cements.

APPLICATION INFORMATION

Gray

≥ 50 N/mm² (28 days)

Adhesion Strength(EN 1542)

≥ 7 N/mm² (30 min.), ≥ 10 N/mm² (24 hours)

Compressive Strength

≥ 30 N/mm² (28 days)

Operating temperature

+5 °C +25 °C

UsingTime

1-1,50 min.

Final Drying

2-3 min.

3013 Flash Stop

Quality Certificates:

Manufactured according to TS EN 1504-3 / R2



3015 SIKALEM

Liquid Crystallized Waterproofing Material

Waterproofing admixture with normal setting for concrete and mortar. Ready to use water impermeable admixture that reacts with cement and sand in concrete or mortar mixture and fills capillary cavities and pores.



Places of Usage

- Tunnels
- Foundations
- Culverts
- Channels
- Water tanks
- Check galleries
- Manholes
- Swimming pools

Features / Advantages

- Ready to use and.
- Economical insulation.
- Does not affect the setting time and strength of the mortar.

Application Directions

a) Surface Preparation:

Concrete surfaces should be roughened or notched by using methods such as abrasion with wire, sandblasting method and any accessories, fittings etc. equipments on the surface should be removed. The surface should be improved by removing cracks, porous areas and blistering from the surface. Water leaks must be stopped or the water level reduced by the Quick Set Water Impermeability Additive. A slurry consistency primer layer should be applied before the first coat application.

b) Product Preparation:

Shake the product before use. Mix 1 scale of **3015 Sikalem** thoroughly with 10 scales of clean water in a clean container. For better results, it is recommended to first mix the water with an equal amount of **3015 Sikalem** and then add the rest of the water.

c) Application Method:

Walls: Apply a mixed mortar with a steel trowel to a thickness of 6 mm until a smooth consistency is achieved. Apply the second coat after the first coat begins to cure (usually 4-5 hours). After second coat application, if four coats are to be applied, after application of the third coat, apply only a 'thin' mortar layer prepared with water to increase the adhesion of the top coat. In order to obtain better adhesion strengths, intermediate coats should not be scraped for roughening purpose. Topcoat application should be done with a wooden trowel to avoid the formation of grout residues on the surface.

First coat (1 : 1): The dry mix should contain the same amounts of cement and sand (passing through a 3 mm sieve) by volume. **3015 Sikalem** mixture is then added and mixed.

Second coat (1 : 1,5): Prepare cement:sand mixture in 1:1,5 rate (passing through a 3 mm sieve) and add **3015 Sikalem** mixture.

Third coat (1 : 2,5): The dry mixture ratio should be 1 : 2.5 (cement: sand. Add **3015 Sikalem** mixture and mix.

Topcoat (1 : 1) (on the second or third coat): The dry mixture should contain 1 : 1 (by volume) of cement: sand and the mortar produced without adding **3015 Sikalem** should be applied with a wooden trowel. For best results, the cement should be fresh Portland cement. Sand; clean, angular and less than 3 mm in size. Soft and round grained sands are not useful.

Floors: The application which is normally done together with primer (Water, Latex, sand, cement) application with two coats of brush is as follows;

Adhesive coat (1 : 1): Dry mix cement and sand, **3015 Sikalem** mixture is added and then mix until a plastic consistency is obtained.

Main floor coat (1 : 2,5): Spread the mixture in a semi-dry state over the still wet adhesive layer, not thinner than 28 mm, and ram until moisture rises to the surface. Smooth the surface with a wooden trowel.

Issues to be Considered

- **Junction Points:** Particular attention should be paid to all junctions in the applied area. Each layer should be produced by retracting 10 cm from the previous floor.
- **Corners (Wall-Floor Joints):** The first and second layers of the wall plasters should turn on the floor by 200 mm and 100 mm respectively and then the application should be completed as described in the 'Joint Points' section.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3015 Sikalem** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

3015 Sikalem is added to clean mixture water for use. The ratio of water is normally 1:10, corresponding to approximately 3% of binder weight. If very wet sand is used, this ratio should be increased up to 1 : 8 or even 1:6.

Package

In 30 lt and 5 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life Liquid, yellow
12 months in unopened package in dry environment

APPLICATION INFORMATION

Chemical Structure Mixture of inorganic compounds and silicate
Density 1,015 - 1,055 kg/lt
pH Value ~ 10±1

3015 Sikalem

Quality Certificates:

Manufactured according to TSEK



3016 LATEX

Adhesion Promoter Concrete and Mortar Additive

It is a multi-purpose, adhesive liquid synthetic rubber emulsion which is added to increase the adherence and water impermeability of cementitious mortars.



Places of Usage

- Indoors-outdoors, vertical and horizontal applications,
- Mortars, plaster and screeds.
- It is used as adherence additive in mortars prepared for repair purposes.

In Plaster Mortars

It is used as adherence and water impermeability promoter additive in internal and external plasters of reinforced concrete silos, water tanks, pools, treatment plants. Polymer Cement Concrete Primer in Screeds

It is used to prevent cold joint formation and increase adherence in new concrete or screed applications on old concrete. In screeds

For obtaining high adherence and non-cracking surfaces even on 2 cm thick screeds; for increasing water impermeability and against dust, cracking on industrial floors, it is used together with high water reducing super plasticizer concrete admixture. In Coating Mortars

It is used as an additive in order not to be affected by the freeze-thaw cycle of the mortars prepared for laying natural stone, brick and tile plates in outdoor areas. In Rough Rendering Preparation

It is used to increase adherence in the rough rendering before the application of plaster and ceramic on concrete or aerated concrete surfaces with smooth surface finish.

Features / Advantages

- Creates a strong and permanent bond.
- Provides excellent adherence and impermeability.
- Increases resistance to water, oil and salt solutions.
- Increases resistance to freeze-thaw cycle.
- Reduces stress on large areas by increasing the tensile strength of bending.
- Provides crackless hardening with reduced shrinkage.
- Provides resistance to saponification and does not contain additives causing corrosion.

| | | 3016 Latex | WATER | CEMENT | RIVER SAND/AGREGA |
|--------------------------|-----------------|------------|-----------------------|--------|-----------------------|
| Industrial floor Screeds | Plaster Mortars | 5 kg | 120 kg | 350 kg | 1 m ³ |
| | Screed | 4 kg | 110 kg | 350 kg | 1 m ³ |
| | Screed Plaster | 10 kg | 20 kg | 10 kg | 30 kg (0.3 mm 100ret) |
| | Concrete | 3 kg | 85 kg | 380 kg | 1 m ³ |
| | Covering Mortar | 3 kg | In appropriate amount | 250 kg | 1 m ³ |
| | Rough Rendering | 10 kg | - | 350 kg | 1 m ³ |

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

APPEARANCE

Material Structure

(23 °C and 50% Relative Humidity)

White
Modified acrylic dispersion

APPLICATION INFORMATION

Specific Weight (at 20°C)

1,08 kg/l

pH Valur

7-9

Application Ground Temperature

+5 °C +35 °C

Service Temperature

-20 °C +80 °C

Application Directions

a) Surface Preparation:

Take care that cement-based surfaces must be solid, carrier, dust-free and clean. The surface should be thoroughly cleaned from all kinds of oil, grease, rust and paraffin residues that will weaken the adherence. The edges of the surface formed by breaking should be cut as vertically as possible, the rust in the reinforcement should be cleaned and new reinforcement should be added if necessary. If there is water leakage on the surface, it should be drained or closed with an appropriate plug.

b) Product Preparation:

3016 Latex is diluted with water in the proportions specified in the application method and mixed. In Plaster Mortars; 350 kg of cement is mixed with 1 m³ washed river sand of appropriate grade. The liquid mixture prepared by adding 5 kg of **3016 Latex** into 120 kg of water is added to the previously prepared powder mixture until a trowel consistency is obtained. Surfaces should be wetted 12 hours before application, **3016 Latex** additive mortar should be applied on wet/dry surface. Polymer Cement Concrete Primer in Screeds It is used in new concrete or screed applications on old concrete in order to prevent cold joint formation and to increase adherence. A: 1 kg cement and 3 kg (0.3 mm threaded) washed river sand is mixed. B: 1 kg **3016 Latex** is mixed with 2 kg water. A and B mixtures are mixed to a boza consistency. The prepared mixture is applied by brush with a thickness of 2 mm on the wetted surface 12 hours ago. Fresh concrete should be placed on P.C.C. before drying, P.C.C. should not be allowed to dry. After applying a new coat on drying P.C.C., fresh concrete is placed on it. There is a total consumption of 0,35 kg/m² on the first and second coat. Screed Construction; At least 350 kg of cement is mixed into 1 m³ of washed river sand of appropriate grade. The liquid mixture prepared by adding 4 kg of **3016 Latex** to 110 kg of water is added to the powder mixture which is prepared before, until the mortar has a suitable consistency. The primer layer described in detail above should be applied to the surface. Fresh concrete should be placed on the primer layer before it dries. Screed Construction on Industrial Floors-Preparation of concrete; 1 m³ aggregate in appropriate grade is mixed with at least 380 kg cement, 85 kg water, 3 kg **3016 Latex** and 6 kg highly water reducing super plasticizer concrete admixture. The prepared primer is applied to the floor with the help of suitable tools. **3016 Latex** mortar is applied on the floor without allowing the applied primer to dry.

Covering; In mortars 1 m³ aggregate in appropriate grade, 250 kg cement and 3 kg **3016 Latex** are mixed with appropriate amount of water. Prepared mortar and floor covering materials are applied to the floor. Scatter Mortar; 1 m³ of river sand, 350 kg of cement and 10 kg of 3016 Latex of appropriate grade is mixed, water is added until the boza consistency. It is applied to the moistened surface with a sprinkler 12 hours ago and allowed to dry. Before the application of plaster or ceramic tile, the surface is moistened and then applied. Drying Time; It can be walked on cement based screeds prepared with the contribution of 3016 Latex after 24 hours. **3016 Latex** mortars gain their final strength after 28 days at +20°C. The dosage rates given above are for normal use, not necessarily absolute limits, and other dosage rates may be used in special cases according to particular conditions of use. If necessary, consult Technical Services Department of the Construction Chemicals Department of the Terma Yapı Kimyasalları San. Tic. Ltd. Sti. Trial mixes should be performed to ensure optimum dosage and effect.

Issues to be Considered

- In practice, if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be waited.
- In exterior applications, the surface must be protected from the sun, wind, frost or rain for the first 24 hours.
- 3016 Latex should not be applied when it is raining or if it is likely to.
- Areas not fully hardened should not be exposed to water.
- In case of application on horizontal surfaces, screed can be applied after protection with geotextile felt after approximately 3 days.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3016 Latex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Consumption

See the consumption table.

Package

In 30 lt and 5 lt plastic jerrycans.



3017 AQUATRANS SOLV

Solvent Based Transparent Insulation Material

Aquatrans Water is a solvent based, impregnated waterproofing material that penetrates the surface to which it is applied, creating an invisible barrier in the capillary channels.



Places of Usage

- In sidings, vertically,
- On less absorbent surfaces such as concrete, marble, granite, slate,
- On absorbent surfaces such as brick, colored briquette, gas concrete, travertine, limestone,
- It is used to protect historical monuments against atmospheric influences.

Features / Advantages

- It is a colorless, transparent impregnation material with high penetration property.
- Provides protection without changing the appearance of the sidings and forming a film layer.
- It reduces the negative effects of the atmosphere by making the surfaces of the building element impermeable.
- Resistant to alkalis and UV radiation.
- It is vapor permeable.
- Reduces heat losses and heating costs by keeping building elements dry.
- Contains solvent.

Application Directions

a) Surface Preparation:

The application surface should be solid, dry, carrier, dust-free and clean. The surface should be thoroughly cleaned of any oil, grease, rust, fungus, algae and paraffin residues that may weaken adherence.

b) Product Preparation:

3017 Aquatrans Solv is ready for use. Never add water.

c) Application Method:

3017 Aquatrans Solv should be applied on dry surfaces with a suitable roller, brush or spraying machine for maximum penetration in first coat applications. Second layer should be applied after approximately 4 hours. For maximum protection, it may be necessary to apply one coat more on highly porous surfaces.

Issues to be Considered

- Discoloration or darkening may occur on some surfaces.
- Precautions should be taken to prevent damage to plants with plastic and decorative coatings.
- The surface appearance should be tested in a small area before application.
- Do not apply on damp and wet surfaces.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **3017 Aquatrans Solv** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Application Coat Number; 1. Coat 0,40 lt/m², 2. Coat 0,25 lt/m² Consumption may vary depending on surface absorbency and roughness.

Package

In 10 lt, 5 lt, 1 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Chemical Structure
Shelf Life

Transparent
Contains Silane Siloxane Based Solvent
12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Floor Temperature
Service Temperature
Density
Drying Time

Between +5 °C and +25 °C
-20 °C / +80 °C
0,78 kg/lt
24 hours



3021

LOTTIFIX PROOF PU

Polyurethane based waterproofing coating

Proof Pu, is a single component, polyurethane based waterproofing coating that bridges cracks, curing with air humidity. It is liquid, and ready to use. Adheres perfectly to different surfaces, creating a durable and elastic film. Has high mechanical and chemical resistance and resistant to tensile, tear and abrasion with its flexible structure.



Properties

- It is a cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- Creates a crack bridge.
- No additional applicable.
- Resistance to ponding water
- Appropriate for light pedestrian walking
- It has high resistance against UV and Frost
- It maintains physical properties at -30°C / + 90°C.
- Water vapor permeable and allows the surfaces to breathe.
- It has excellent adherence properties.
- Does not contain toxic substances after curing.

Application Areas

- Proof Pu, is used for the protection and waterproofing of the following surfaces;
- Terrace, roof and rain gutters,
 - On patio and balconies,
 - Ceramics under wet volumes,
 - On light roofs made of metal and fibrous materials,
 - Bitumen, PVC, EPDM based membranes,
 - Used with appropriate primers on concrete, wood and metal surfaces.

Application Method

Surface Preparation

The surfaces to be applied should be dry and clean. Concrete and plaster residues mechanically: oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damaged coatings, uneven surfaces and cracks should be repaired with appropriate products. After the repair, the surface should be primed with EP or PU based primer depending on the situation and then the application of PROOF PU should be started.

Concrete substrate conditions (standard):

Hardness: R28 = 15MPa.

Temperature: 5-35 °C.

Relative humidity: <85 %.

Priming

Many absorbent surfaces such as concrete, cement screed or wood should be filled with PU lining before the primer application, without creating a film.

Preparation of Material

Proof PU is ready for use with one component. Before applying the product, mix with a suitable mixer at a speed of 300 RPM for 2-3 minutes.

Application Method

- Proof PU is applied in 2 coats with thin comb trowel, airless spraying machines or brush or roller.
- Do not wait more than 24 hours between layers.
 - In case of exceeding 24 hours, the application surface must be treated with sandpaper.
 - If it is thought to be applied by spraying method, material should be applied after being diluted with Lotti Polyurethane Thinner.
 - The packages kept at room temperature for 24 hours are opened and mixed until homogenous consistency. Mixing should be done with low speed mixer and appropriate mixer tip.
 - Proof Pu, offers practical application in ready-to-use packaging, which can be applied without thinning.
 - Proof Pu spreads homogeneously by making consumption control on the primed surfaces with the help of thin comb trowel, short-hair roller brush or airless spray gun.
 - The layer must be protected against water and rain, external influences and mechanical stress until it is dry.
 - In case of application of the second layer, wait between the layers (approximately 8-12 hours). It should be kept in mind that the waiting time in hot weather may be shortened and may be extended in cold weather.

Consumption

First layer : 0,600 - 0,800 kg / m²,
Second layer : 0,600 - 0,900 kg / m² total 1,5 kg / m² (min.)

* Consumption may vary depending on surface roughness, ambient and surface temperature and application method.

Storage and Shelf Life

- It should be protected from water, frost and adverse weather conditions
- Store in a dry and cool environment (between +15°C / + 25°C)
- The date of manufacture is on the label.
- Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans will be consumed.
- The shelf life is 12 months if the specified storage conditions are followed.

Package

25 Kgs Pail

Precautions

- Contains solvent, flammable.
- Do not contact with open flames and do not smoke during application.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

Cleaning Tools

Cleaning of the tools should be done with soapy water before curing. After curing cleaning should be done with Thinner.

TECHNICAL SPECIFICATIONS

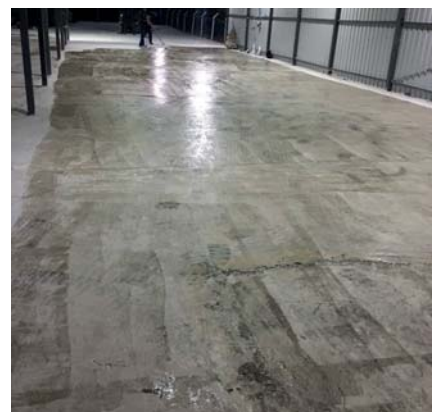
| PROPERTIES(23°C & %55 RH) | UNIT | METHOD | SPECIFICATIONS |
|---------------------------------|-----------------------|-----------------------------------|-------------------------|
| Color | | | White, grey, Ral colors |
| Viscosity (BROOKFIELD) | cP | ASTM D2196-86 | 2000-5000 |
| Density | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811 | 1.45 ± 0,05 |
| Solids Content by Weight | % | ASTM D2369 | 85-90 |
| Flash Point | °C | ASTM D93 | >40 |
| Walkable on Time | hour | - | 8-12 |
| Recoat Time | hour | - | 8-12 |
| Hardness (7 days) | Shore A | ASTM D2240 / DIN 53505 / ISO R868 | 60-65 |
| Tensile Strength (7 days) | N/mm ² | ASTM D412 | > 3 |
| Elongation at Break | % | ASTM D412 | > 600 |
| Adhesion to Concrete | MPa | ASTM D4541 | 2 |
| UV Accelerated Weathering Test | - | ASTM G53 | Passed (1000 hours) |
| Volatile Organic Compound (VOC) | g/L | ASTM D3960 | 100-140 |
| Shelf life | month | - | 12 |
| Water Vapor Transmission | gr/m ² .hr | ASTM E96 (Water Method) | 0.8 |



3022 LOTTIFIX PRIMER PU

Polyurethane based, One component, Low Viscosity, Primer and Impregnating Material

Lottifix Primer PU, is a one component, low viscosity, high mechanical and chemical resistance, which can be penetrated into the depths of the surface, and a surface impregnation and primer material which fills the gaps of the doors on the surface to be applied.



Properties

- It is a cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- It has excellent adhesion and can be applied to any surface easily.
- Single component,
- Low viscosity,
- Strongly adheres to glassy and non-porous substrates,
- Perfectly absorbs and impregnates the surface as a whole / uninterrupted and homogeneous surface
- Does not contain toxic substances after curing.

Application Areas

Primer Pu, is used for the protection and waterproofing of the following surfaces;

- Concrete surfaces,
- Metal surfaces,
- Plastered surfaces,
- Wood surfaces,
- PVC based surfaces,
- Bitumen based surfaces.

Application Method Surface Preparation

Application surfaces must be dry and clean. Concrete and plaster residues mechanically; oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damaged and unstable surfaces and cracks should be repaired with suitable products. The surface must have a compressive strength of at least 25 N/mm² and a pull-off test result of at least 1.5 N/mm². New concrete must be at least 28 days old, concrete surfaces must have a maximum moisture content of 8%. Cement residues and bright cement grout on the concrete surface should be cleaned with tools such as sandblasting, milling, wiping machine, driven grinding and the surface

should be roughened. The entire surface should be cleaned of dust with an industrial vacuum cleaner. Concrete surfaces in contact with the soil to be coated must be insulated with water and water vapor barrier materials beforehand.

- The relative humidity of the air should be 85% maximum and the application temperature (environment and surface) should be between +5°C and +35°C.
- The ground temperature must be 3°C above the current dew , (condensation and liquefaction of the air humidity) temperature.
- It should not be exposed to rain, humidity and water 24 hours before the application, during the application and until 24 hours after the application. The applied material should be protected against external factors and mechanical stresses until it is fully cured.
- The ground temperature must be 3°C above the current dew , (condensation and liquefaction of the air humidity) temperature.

Preparation of Material

Primer Pu is a ready-to-use, one-component product, no thinner is required. Before applying the product, mix with a suitable mixer at a speed of 300 RPM for 2-3 minutes.

Application Method

Torpur AS 014 is applied with a roller, trowel, brush and airless spray.

- The product, which is made ready for application, is applied in such a way that the surface is saturated and the pores are closed.
- Minimum 2-3 hours (23°C) and maximum 24 hours as a new layer application time on top of the layer. It should be taken into account that the waiting time may be shortened in hot weather and extended in cold weather. Primer surface must be sanded before new coat applications exceeding 24 hours.

- Packages kept at room temperature for 24 hours should be opened and mixed before application. Mixing must be done by choosing a low-speed mixer and a suitable tip.
- It is very important that the second coat is applied within the above-mentioned new coat application time. It reaches full mechanical and chemical resistance (at 23 °C, 55% RH) in 7 days.

Consumption

200 – 250 gr/m² .

Consumption may vary according to surface roughness, ambient and surface temperature and application method.

Storage and Shelf Life

- It should be protected from water, frost and adverse weather conditions
- Store in a dry and cool environment (between +15°C / + 25°C)
- The date of manufacture is on the label.
- Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans will be consumed.
- The shelf life is 12 months if the specified storage conditions are followed.

Package

15 Kgs, 4 kgs

Precautions

- Contains solvent, flammable.
- Do not contact with open flames and do not smoke during application.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

Cleaning Tools

Cleaning of the tools should be done with soapy water before curing. After curing cleaning should be done with Thinner.

| PROPERTIES(23°C & %55 RH) | UNIT | METHOD | SPECIFICATIONS |
|---------------------------|--------------------|-----------------------------------|----------------|
| Color | | | Liquid amber |
| Viscosity (BROOKFIELD) | cP | ASTM D2196-86 | 20 ± 5 |
| Density (Specific weight) | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811 | 0,90 ± 0,05 |
| Flash Point | °C | ASTM D93 | >25 |
| Recoat Time | hour | - | 12-24 |
| Shelf life | month | - | 12 |
| Curing Time | hour | (25 °C, %55 RH, saat) | 12-24 |



3025 LOTTIFIX BITUMEN 1K

Bitumen Based Waterproofing Material

Polymer-bitumen modified, one component, flexible and thick waterproofing material exclusively applicable on positive side.



Areas of Use

- Indoor and outdoor spaces,
 - Horizontal and vertical surfaces,
 - Foundations and shear walls,
 - Wet spaces, retaining walls,
 - Protection and isolation of constructions and construction elements subject to infiltration water, permanent or temporary water pressure,
 - Adhesion of isolation and drainage plates.
- Since it is not UV-resistant, the agent should be properly covered after application.

Advantages

- Easy to apply.
- Solvent-free.
- Ensures joint-free, waterproof coating.
- Adheres well to surfaces thanks to high adherence.
- Ensures crack bridging.
- Applied cold, dries rapidly.
- Does not sag in vertical places.

Surface Preparation

- Surface should be freed from residues that prevent adhesion, such as dust, oil, dirt, paint, curing material and bitumen.
- Damaged sections of concrete, surface fractures and static cracks should be repaired with Lotti Non-Shrinking Fluid Grout Mortar.

- Water holes should be blocked with LOTTI SHOCK; fill dynamic crack with LOTTI HYBRID or GOOP sealant.
- Apply chamfering on sharp corners and joints of construction elements.
- Apply solvent-free bitumen primer on the surface and proceed to application once the primer is completely dry.

Lining

- Apply lining by diluting the product in 1/5 ratio.
- Apply by spreading the agent in even manner with appropriate brush; do not allow material accumulation on horizontal surfaces.
- Wait for primer to dry before proceeding to actual application.
- Recommended ratio for use: 0.25 kg/m².

Application Information

- Apply on prepared surface in minimum 2 coats with brush, trowel or spray.
- After first coat, wait it to dry completely before proceeding to the second.
- Second coat is applied in perpendicular manner to the first.
- Recommended to use waterproofing mesh between layers in order to improve carrying capacity of product.

- Do not close foundation pit until through-drying occurs. Apply filling after the coating is preserved with appropriate heat insulation and drainage plates.
- Clean the tools with water before they dry. Solvent may be used to clean dried tools.

Applications Conditions

- Avoid application in temperatures below +5°C and above +30°C.
- Avoid application during rain or when rain is expected.
- Area of application should be protected from effects of wind and direct sunlight during application. Avoid application in areas with risk of frost within 24 hours, or exposed to direct sunlight and wind.
- Application should be made on the construction side that is in contact with water.
- In cold weather, it will take longer for the agent to cure; make sure the first coat has completely dried before proceeding to second coat.
- The indicated consumption amount is for informative purposes only. It may vary depending on application conditions and surface characteristics.

Consumption

Total consumption for 2 coats of application is provided in the table below.

| Area of Use | Dry Film (mm) | Consumption (kg) |
|-----------------------------------------------|---------------|-----------------------|
| Areas exposed to floor humidity | 3 mm | 4.5 kg/m ² |
| Isolation against temporary pressurised water | 3 mm | 4.5 kg/m ² |
| Areas subject to permanent pressurised water | 4 mm | 5.5 kg/m ² |

* Recommended to use glass fibre reinforcement between layers

Shelf Life

12 months as of production date in cool, dry and damp-free spaces of +5°C to +25°C, on wooden pallets, without unpacking.

Do not pile up pallets during storage.

Package

30 kg plastic bucket

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------------------------|---------------------------|
| Colour | Brown (black upon drying) |
| Density | 1.10 kg/l ± 0.03 |
| pH | 11.50 – 12.50 |
| Application Temperature | Between +5°C to +30°C |
| Pot Life | 1 – 2 hours |
| Drying Time | min. 48 hours |
| Contact With Water | 48 hours |
| Crack Bridging Ability | 2 mm |
| Resistance to Rain | R1 |
| Impermeability to Water | W1 |
| Resistance to Pressure | C2B |
| Reaction to Fire | E |
| Pot life and drying time depends on weather conditions. | |



3023 LOTTIFIX BITUMEN PU 1K

Bitumen/Polyurethane Based, One Component, Liquid, Waterproofing Material

Bitumen PU 1K is a single component, bitumen / polyurethane based waterproofing coating that bridges cracks, curing with air humidity. It is liquid. Adheres perfectly to different surfaces, creating a durable and elastic film. Has high mechanical and chemical resistance and resistant to tensile, tear and abrasion with its flexible structure. It is based on pure elastomeric hydrophobic polyurethane resin and is extended with chemically polymerised virgin bitumen.



Properties

- It is a cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- Displays high crack bridging property.
- No additional applicable.
- Resistance to ponding water and frost.
- It maintains physical properties at -30°C / + 90°C.
- Water vapor permeable and allows the surfaces to breathe.
- It has excellent adherence properties.
- Should not be exposed to UV.
- Does not contain toxic substances after curing.
- It is based on pure elastomeric hydrophobic polyurethane resin and is extended with chemically polymerised virgin bitumen.

Application Areas

Bitumen PU 1K for waterproofing purposes ;

- Terrace, roof and rain gutters,
- Verandas and balconies,
- Construction bases and flores,
- Retaining walls,
- Wet surface under tile,
- Light roofing made of metal or fibers from materials,

- Bitumen, PVC, EPDM based membranes,
- It is used with suitable primers on concrete, wood and metal surfaces.

Application Method Surface Preparation

Application surfaces should be dry and clean. Concrete and plaster residues should be mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damages and cracks must be repaired with products that are available. Torpur BPU L should be applied priming with a suitable primer based on epoxy or polyurethane after depending on the surface condition.

Application of concrete surfaces;
Hardness: R28 = 15 Mpa, Temperature: 5-35 °C,
Relative humidity: < 85%

Priming

Highly absorbent surfaces such as concrete, cement screed or wood; Before priming, the primer should be applied after the film is saturated with PU primer.

Preparation of Material

Bitumen PU 1K is a single component and ready to use. Before applying the product, stir for 2-3 minutes with a suitable mixer at a speed of 300 RPM.

Application

Bitumen PU 1K is applied in 2 coats with thin comb trowel, airless spraying machines, brush or roller.

- Do not wait more than 24 hours between coats.
- The primer surface should be sanded before the application of new coats exceeding 24 hours.
- If the application is intended to be applied by spraying method, the material should be applied after the thinning of Lotti Polyurethane Thinner.
- The packages kept at room temperature for 24 hours are opened and mixed until homogenous consistency. Mixing should be done with low speed mixer and appropriate mixer tip.
- If the second coat is applied, it should be waited between the coats (approximately 6 - 24 hours). It should be taken into consideration that waiting time can be shortened in hot weather and it can be extended in cold weather.

Consumption

As Two layer 1,500 – 2,000 kg/m² min.
Consumption may vary depending on surface roughness, ambient and surface temperature and application method.

Storage and Shelf Life

- It should be protected from water, frost and adverse weather conditions
- Store in a dry and cool environment (between +15°C / + 25°C)
- The date of manufacture is on the label.
- Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans will be consumed.
- The shelf life is 12 months if the specified storage conditions are followed.

Package

25 Kgs Pail, 12 kgs Pail

Precautions

- Contains solvent, flammable.
- Do not contact with open flames and do not smoke during application.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

TECHNICAL SPECIFICATIONS

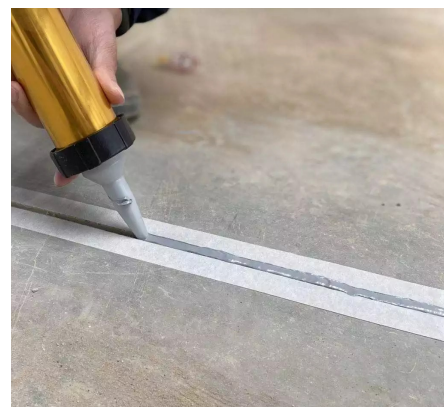
| PROPERTIES(23°C & %50 RH) | UNIT | METHOD | SPECIFICATIONS |
|---------------------------------|--------------------|---------------------------------------|----------------|
| Color | | | Black |
| Viscosity (BROOKFIELD) | cP/ 20 rpm | ASTM D2196-86 / TS 5833 / EN ISO 3219 | 2000-4000 |
| Density (Specific weight) | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811 | 1.30 ± 0,05 |
| Solids Content by Weight | % | ASTM D2369 | 80-85 |
| Flash point | °C | ASTM D93 | >30 |
| Touch (Tack free) time | Hour | - | 2-3 |
| Full cure | Day | | 5 |
| Recoat time | Hour | - | 6-24 |
| Hardness (7 days) | Shore A | ASTM D2240 / DIN 53505 / ISO 868 | 50-60 |
| Tensile strength (7 days) | N/mm ² | ASTM D412 | > 3 |
| % Elongation | % | ASTM D412 / EN-ISO-527- 3 | > 400 |
| Adhesion to concrete | MPa | ASTM D4541 | >2 |
| Volatile Organic Compound (VOC) | g/L | ASTM D3960 | 100-140 |
| Shelf life | month | - | 12 |

8001 LOTTIFIX PU MASTIC

Polyurethane based, One component, Joint Sealant



PU Mastic is a single component polyurethane adhesive sealant with high mechanical and chemical resistance, tensile, tear and abrasion resistance. Suitable for use in horizontal and vertical joints. Preserve its elastic form and curing with air humidity.



Properties

- Resistant to chemicals.
- Does not contain toxic substances after curing.
- Excellent adhesion.
- Suitable for outdoor applications and UV resistant.
- Paintable
- Resistant to different weather conditions. (-30°C/+90°C)
- Create a smooth surface.

Application Areas

- Internal and external horizontal /vertical expansion joints of structures,
- In horizontal and vertical expansion dilatations between In irrigation channels
- It is used as a joint sealant in concrete, wood and metal surfaces with suitable primers.
- It is also suitable for use in joints in waste water and treatment pools.

Application Method Surface Preparation

Application surfaces should be dry and clean. Concrete and plaster residues should be mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damages and cracks must be repaired with products that are available. Pu Mastic should be applied priming with a suitable primer based on epoxy or polyurethane after depending on the surface condition.

Concrete substrate conditions (standard):
Hardness: R28 = 15MPa.
Temperature: 5-35 °C.
Relative humidity: <85 %.

Priming

It adheres easily to many surfaces such as metal, wood, concrete, etc. without the need to primer application.

Application

- PU Mastic is applied with a sausage gun.
- The applied material should be protected against water and rain, external factors and mechanical stresses until it cures.
- By using backing rod, the consumption of Pu Mastic is prevented from sticking to the joints. The size of the backing rod must be bigger than 20% to 25% of the joint diameter.
- Joint width and depth should not be less than 5mm.
- For hand applications; place the sealant Pu Mastic into the gun and inject the sealant into the joint without causing any air bubble.

Consumption

| Joint Width x Joint Depth (mm) | Consumption (m/600 ml sausage pack.) |
|--------------------------------|--------------------------------------|
| 5x5 | 24,0 |
| 10x10 | 6,0 |
| 12x10 | 5,0 |
| 15x10 | 3,9 |
| 20x10 | 3,0 |
| 40x15 | 0,9 |

Storage and Shelf Life

- It should be protected from water, frost and adverse weather conditions
- Store in a dry and cool environment (between +10°C / + 25°C)
- The date of manufacture and expiry is on the label.
- The shelf life is 12 months if the specified storage conditions are followed.

Package

600 ml sausage.

Safety Warnings

- Users should refer to the latest Material Safety Data Sheets, including physical, ecological, toxicological, and other safety-related data for information or advice on the safe transport, storage, disposal of chemical products
- It should not be applied in closed areas due to long-term solvent odor or the environment should be well ventilated.
- In cold weather, packaging must be kept at least 24 hours +15°C before application.
- There should be no water vapor pressure on the surfaces to be applied on. In such a case, special insulation should be applied before the application.
- After application, the surface should be protected from water, rain, dew, snow, hail and so on until it is fully dry.
- Total mechanical and resistance is achieved in 7 days.

Precautions

- Contains solvent, flammable.
- Keep product away from contact with open flames and do not smoke during application.
- Work only in well-ventilated areas and in open areas. Keep in mind that solvent may smell indoor.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

Cleaning Tools

Cleaning of the tools should be done with soapy water before curing. After curing cleaning should be done with Thinner.

TECHNICAL SPECIFICATIONS

| PROPERTIES (23°C & % 50 RH) | UNIT | METHOD | SPECIFICATIONS |
|-------------------------------|--------------------|------------|-------------------------|
| Color | | | White, Grey, RAL Colors |
| Density | gr/cm ³ | ASTM D792 | 1.30 ± 0,05 |
| Hardness | Shore A | ASTM D2240 | 25-30 |
| Working Temperature | °C | | +5°C/+30°C |
| % Elongation | % | ASTM D214 | > 600 |
| Tensile Strength | N/mm ² | ASTM D412 | > 1,2 |
| Touch time | Minute | | 60 |
| Hardening time | Hour | - | 24 (For 2mm-3mm thick) |
| Max. Joint Range | cm | | 4 |
| Movement Accommodation Factor | % | | 25 |



8003 LOTTIFIX UNIVERSAL SILICONE

Universal Acetoxy Silicone Sealant

Acetoxy silicone is one-component, elastic sealant curing under the influence of humidity from the air, intended for sealing and grouting joints and to protect against moisture.



Applications

- Sealing glass in display cabinets, marks, cable ducts,
- Protection of polyurethane foams against UV radiation
- Sealing baths, hand basins, showers, sinks and other sanitary facilities and other water supply equipment
- Sealing of ceramic tiles
- Small home repairs

Benefits

- Excellent resistance to mould and fungus
- Good adhesion to many smooth building materials
- High resistance to UV radiation.

Application Method Surface Preparation

- Bonding surfaces must be clean, dry (not frosted) free of dust, rust, old loose material, oil, grease, paint and other dirt which reduces the adhesion of the sealant.
- Surfaces best degrease with acetone or ethanol (glass, glaze, metal) or detergent (synthetic materials).
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.

Sealant does not require using primer on most surfaces but on some specific surfaces may have to use it to improve adhesion.

Joint width should be as to be able to carry movement in range calculated for sealant in question (movement accommodation).

- The sealant bead should not be wider than 25 mm and the minimum joint width should be 6 mm to allow in the construction field proper application and tooling of sealant. The ideal ratio of joint width : depth is 2 : 1.
- For proper design deep joints should be filled with back-up rod.

- In movable joints tripartite sealant adhesion to the surface should be avoided because it can cause its damage. For this purpose if depth of the slots does not allow introduction of polyurethane foam, use dilatation tape or back-up rod. Using foam or tape causes bipartite sealant adhesion and allows proper work with the joint.

- If joints are too shallow to allow backing material to be used, we recommend use of adhesive tape. This acts as a back-up rod to prevent seal in forming of three-sided adhesion.

Product Preparations

Prior to application, the product should be conditioned at room temperature.

Remarks / Restrictions

- Do not apply on wet surfaces.
- Due to the acetic acid released during curing, acid silicone is not recommended for use on calcareous substrates such as concrete, plaster, brick.
- Sealant is not intended for sealing joints of natural stone, such as granite, sandstone, marble, etc.
- Application not on bituminous surfaces, partially vulcanized rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- Application not on sensitive metal surfaces for example copper and its alloys and silver surfaces of mirror.
- Sealant is not recommended for joints that are permanently under water, because they can cause physical changes.
- Do not use in totally confined spaces where it is not exposed to atmospheric moisture, because the sealant requires atmospheric moisture for cure.
- Sealant is not intended for applications involving structural glazing.
- Silicone should not be painted.
- Not suitable for bonding aquariums and terrariums.
- It is not suitable for direct contact with food and medical uses. Sealant was not duly tested and it is not suitable for medical and pharmaceutical applications.
- Do not apply on PE, PP - no adhesion.
- Not suitable for bonding mirrors.

Package

280 gr, 280 ml, 310 ml cartridge

Norms

- Product meets requirements of EN 15651-1:2012 F-EXT-INT
- Product meets requirements of EN15651-3:2012/S
- Product has a Hygienic Certificate no. HK/B/0387/01/2013 issued by the National Institute of Hygiene.

Storage

Warranted shelf life is 12 months from the manufacturing date when stored in unopened.

TECHNICAL SPECIFICATIONS

| Color | |
|-----------------------------------------------------------------|---------------|
| White | RAL 9003 |
| Transparent | + |
| Black | RAL 9005 |
| Brown | + |
| Grey | + |
| Beige | + |
| Uncured - tested at 23 °C and 50% relative humidity | Value |
| Density (ISO 2811-1) [g/ml] | 0,96 ± 0,01 |
| Skin formation time [min] | 5 - 30 |
| Tack Free [min] | 5 - 15 |
| Curing rate [mm/24h] | 2 - 3 |
| Flow from vertical surfaces [+50°C] (ISO 7390) [mm] | 0 - 3 |
| Cured - tested after 4 weeks at 23 °C and 50% relative humidity | Value |
| Module at 100% elongation (ISO 8339) [MPa] | 0,27 ± 0,07 |
| Module at 100% elongation (ISO 37) [MPa] | 0,23 ± 0,07 |
| Module at 60% elongation at 23°C and -20°C (ISO 8339) [MPa] | 0,275 ± 0,075 |
| Movement accommodation (ISO 9047) [%] | ± 25 |
| Elongation at break (ISO 8339) [%] | 245 ± 55 |
| Shore A hardness (ISO 868) | 16 ± 4 |
| Temperature resistance [°C] | -40 - +100 |
| Surface | Adhesion |
| Aluminium | +/- |



8004 LOTTIFIX PROFESSIONAL UNIVERSAL SILICONE

Professional Universal Acetoxy Silicone Sealant

Multipurpose silicone sealant, Excellent adhesion on vitrified surfaces, Does not form pores during curing, Full performance at low and high temperatures, Non sagging high durability solvent free.



Description

Single-component, general-purpose, antibacterial acetic-curing silicone sealant. Suitable for sealing the joints between materials and coverings. It does not sag during or after application. It does not allow the forming of pores on the surface during curing. It impedes moulding in areas where are exposed to excessive humidity or non-ventilated. It employs its full performance and elasticity at low (-40 °C ≤) or high (≤ 100 °C) temperatures.

Benefits

- Excellent resistance to mould and fungus
- Good adhesion to many smooth building materials
- High resistance to UV radiation.

Application Method Surface Preparation

- Bonding surfaces must be clean, dry (not frosted) free of dust, rust, old loose material, oil, grease, paint and other dirt which reduces the adhesion of the sealant.
- Surfaces best degrease with acetone or ethanol (glass, glaze, metal) or detergent (synthetic materials).
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.

Sealant does not require using primer on most surfaces but on some specific surfaces may have to use it to improve adhesion.

Joint width should be as to be able to carry movement in range calculated for sealant in question (movement accommodation).

- The sealant bead should not be wider than 25 mm and the minimum joint width should be 6 mm to allow in the construction field proper application and tooling of sealant. The ideal ratio of joint width : depth is 2 : 1.
- For proper design deep joints should be filled with back-up rod.
- In movable joints tripartite sealant adhesion to the surface should be avoided because it can cause its damage. For this purpose if depth of the slots does not allow introduction of polyurethane foam, use dilatation tape or back-up rod. Using foam or tape causes bipartite sealant adhesion and allows proper work with the joint.
- If joints are too shallow to allow backing material to be used, we recommend use of adhesive tape. This acts as a back-up rod to prevent seal in forming of three-sided adhesion.

Product Preparations

Prior to application, the product should be conditioned at room temperature.

Remarks / Restrictions

- Do not apply on wet surfaces.
- Due to the acetic acid released during curing, acid silicone is not recommended for use on calcareous substrates such as concrete, plaster, brick.
- Sealant is not intended for sealing joints of natural stone, such as granite, sandstone, marble, etc.
- Application not on bituminous surfaces, partially vulcanized rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- Application not on sensitive metal surfaces for example copper and its alloys and silver surfaces of mirror.
- Sealant is not recommended for joints that are permanently under water, because they can cause physical changes.
- Do not use in totally confined spaces where it is not exposed to atmospheric moisture, because the sealant requires atmospheric moisture for cure.
- Sealant is not intended for applications involving structural glazing.
- Silicone should not be painted.
- Not suitable for bonding aquariums and terrariums.
- It is not suitable for direct contact with food and medical uses. Sealant was not duly tested and it is not suitable for medical and pharmaceutical applications.
- Do not apply on PE, PP - no adhesion.
- Not suitable for bonding mirrors.

Package

280 gr, 280 ml, 310 ml cartridge

Norms

- Product meets requirements of EN 15651-1:2012 F-EXT-INT
- Product meets requirements of EN15651-3:2012/S
- Product has a Hygienic Certificate no. HK/B/0387/01/2013 issued by the National Institute of Hygiene.

Storage

Warranted shelf life is 12 months from the manufacturing date when stored in unopened.

TECHNICAL SPECIFICATIONS

| Color | |
|-----------------------------------------------------------------|---------------|
| White | RAL 9003 |
| Transparent | + |
| Black | RAL 9005 |
| Brown | + |
| Grey | + |
| Beige | + |
| Uncured - tested at 23 °C and 50% relative humidity | |
| | Value |
| Density (ISO 2811-1) [g/ml] | 0,98 ± 0,01 |
| Skin formation time [min] | 5 - 30 |
| Tack Free [min] | 5 - 15 |
| Curing rate [mm/24h] | 2 - 3 |
| Flow from vertical surfaces [+50°C] (ISO 7390) [mm] | 0 - 3 |
| Cured - tested after 4 weeks at 23 °C and 50% relative humidity | |
| | Value |
| Module at 100% elongation (ISO 8339) [MPa] | 0,27 ± 0,07 |
| Module at 100% elongation (ISO 37) [MPa] | 0,23 ± 0,07 |
| Module at 60% elongation at 23°C and -20°C (ISO 8339) [MPa] | 0,275 ± 0,075 |
| Movement accommodation (ISO 9047) [%] | ± 25 |
| Elongation at break (ISO 8339) [%] | 245 ± 55 |
| Shore A hardness (ISO 868) | 16 ± 4 |
| Temperature resistance [°C] | -40 - +100 |
| Surface | |
| | Adhesion |
| Aluminium | +/- |



THERMAL INSULATION products



4001 LOTTI FIX

Thermal Insulation Board Adhesive Mortar (Fiber)

It is a fiber-reinforced, thermal insulation adhesive mortar with high flexibility and adhesion strength, breathable, resistant to adverse weather conditions, water and impacts.



Places of Usage

- Indoor and outdoors,
- It is used for bonding thermal insulation boards Expanded polystyrene - EPS and extruded polystyrene - XPS.

Features / Advantages

- Easy to apply, provides excellent adhesion.
- Resistant to water and frost.
- Not affected by temperature changes.
- Flexible.
- Provides high stability, does not sag and crack.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Repair of surface defects with a depth of more than 2 cm should be eliminated with Termactect Repair Mortar 24 hours before the application. In cases where structural repair mortar is required, Termactect Structural Repair Mortar should be used.

b) Product Preparation:

25 kg **4001 Termanto Fix** Thermal Insulation Board Adhesive Mortar is added into 6 - 7 lt of clean water and mixed with a low speed mixer in a way that there is no lump. The prepared mortar is rested for 5-10 minutes to mature and used by again mixing for 1-2 minutes. The mixture in the container should be consumed within 2 hours.

c) Application Method:

If there are curvatures on the surface, **4001 Termanto Fix** is applied continuously along the four edges of the thermal insulation board and in the middle of the board in three groups. Care should be taken that the adhesive does not overflow the edges of the board. If the surface is very smooth, it can be applied with a 10x10 notched trowel to the back of the board with **4001 Termanto Fix** chiseling method. During application, it should be ensured that **4001 Termanto Fix** does not form film on the surface. Insulation boards glued with **4001 Termanto Fix** should be doweled after a minimum of 24 hours, then the boards should be plastered with Termactect Thermal Insulation Board Plaster Mortar (Fiber).

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- To prevent heat transfer, place the heat insulation boards as little as possible between them.
- Be careful not to use boards that have lost their properties by staying in the sun for a long time.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **4001 Termanto Fix** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

4-5 kg/m² (Varies according to application method. In rockwool applications, it should be 5-6 kg/m².)

Package

25 kg kraft bags. (64 kraft bags / Pallett)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|-----------------------------------------------|------------------------------------------|
| Appearance | Gray fine powder |
| Powder Density | ~ 1,50 kg/lt |
| Water Mixing Ratio | 6,0 - 7,0 lt water / 25 kg powder |
| Resting Time | 5-10 min. |
| Pot Life | ~2 hours |
| Crustation Time | 15 min. |
| Slip | ≤ 0,5 mm |
| Plugging | After min 24 hours |
| Plaster Application Time On It | After 1 -2 days |
| Application Temperature | Between +5°C and +35°C |
| Particle Distribution | 1 mm oversize ≤ %1 (TS EN 1015-1) |
| Cavity Unit Volume Mass of Fresh Mortar | ≥ 1000 kg/m ³ (TS EN 1015-6) |
| Flexural Strength | ≥ 2 N/mm ² (TS EN 1015-11) |
| Compressive Strength | ≥ 6 N/mm ² (TS EN 1015-11) |
| Subcoat Adhesion Strength | ≥ 0,5 N/mm ² (TS EN 1015-12) |
| Adhesion Strength to Thermal Insulation Board | ≥ 0,08 N/mm ² (TS EN 1015-11) |
| Insulation Board | At 30 min, ≤ 5 g, 240 min ≤ 10 g |
| Water Absorption Amount | (TS EN 12808-5) |
| Service Temperature | -20°C / +70°C |

4001Lotti Fix

Quality Certificates:

Manufactured according to TS EN 13566



4002 LOTTI PLAST

Thermal Insulation Board Plaster Mortar (Fiber)

It is a fiber-reinforced, thermal insulation plaster mortar with high flexibility and adhesion strength, breathable, resistant to adverse weather conditions, water and impacts.



Places of Usage

- Indoor and outdoors,
- It is used for plastering thermal insulation boards (Expanded polystyrene - EPS and extruded polystyrene - XPS),

Features / Advantages

- Easy to apply, provides excellent adhesion.
- Resistant to water and frost.
- Not affected by temperature changes.
- Flexible.
- Provides high stability, does not sag and crack.
- Water vapor permeable, allows the surface to breathe.
- Paint can be applied directly on it.

Application Directions

a) Surface Preparation:

The application surface and boards should be solid and free from adhesion preventive substances such as dust, oil, tar, pitch, paint, silicone, curing agent, detergent and molding oil. The boards to be plastered must be solid and firmly seated and the gaps between them should be covered with Multi-Purpose Polyurethane Foam or the same material.

b) Product Preparation:

25 kg **4002 Termanto Plast** Thermal Insulation Board Plaster Mortar - Fiber Added (Thick) is added into approximately 6-7 lt of clean water and preferably mixed with a low speed mixer so that no lump remains. The prepared mortar is left to mature for 5-10 minutes and used by mixing again for 1-2 minutes. The mixture in the container should be consumed within 2 hours.

c) Application Method:

At least 24 hours after the dowering of the thermal insulation board, first layer plaster of 2-3 mm thickness is applied on the boards with a trowel. When the applied mortar is still wet, the Plaster Net is pressed from top to bottom and stretched and embed in the mortar. After approximately 6 hours, the surface is moistened and covered with a second layer of plaster (2-3 mm thick) and smoothed for painting. To prevent cracking, the net is overlapped by 10 cm at the joints. Depending on the weather conditions and application thickness, it is necessary to wait 2-3 days for the paint. If the air temperature is high after the application is completed, moisten the surface until the cement sets.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snowfall or heavy cold is expected in about 1 week after the application, it should not be applied or protection measures should be taken.
- Never add water and powder to the mortar that has expired.
- Be careful not to use boards that have lost their properties by staying in the sun for a long time.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **4002 Termanto Plast** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended amount of consumption for 1 m² application (1. coat plaster + reinforcing net + 2. coat plaster application) and 4 mm thickness; 4,0-5,0 kg. This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallett)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|-----------------------------------------------|--------------------------------------------------|
| Appearance | Gray thick powder |
| Powder Density | ~ 1,60 kg/lt |
| Water Mixing Ratio | 6 - 7 lt water / 25 kg powder |
| Resting Time | 5-10 min. |
| Pot Life | ~2 hours |
| Application Temperature | Between +5°C and +35°C |
| Particle Distribution | ≤ 1150 kg/m ³ (TS EN 1015-6) |
| Cavity Unit Volume Mass of Fresh Mortar | 1200±200 kg/m ³ (TS EN 1015-6) |
| Flexural Strength | ≥ 2 N/mm ² (TS EN 1015-11) |
| Compressive Strength | ≥ 6 N/mm ² (TS EN 1015-11) |
| Adhesion Strength to Thermal Insulation Board | ≥ 0,08 N/mm ² (TS EN 13494) |
| Water Absorption Amount | ≤ 0,5 kg/(m ² min.15) (TS EN 1015-18) |
| Water Vapor Permeability Coefficient (p) | ≤ 15 (TS EN 1015-19) |
| Thermal Conductivity | 0,3 W/mK (TS EN 1745-Schedule A12) |
| Service Temperature | -20°C/+70°C |

4002 Lotti Plast

Quality Certificates:

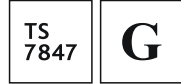
Manufactured according to TS EN 13565



4003 LOTTI DEKOR

Decorative Plaster (Grain-Line Textured)

It is a mineral based, grain and line textured, cement based decorative facade coating that can be used on exterior of all buildings and especially on exterior thermal insulation systems.



Places of Usage

- As a topcoat decorative coating material in jacketing systems,
- Used on interior and exterior plasters.
- It is also suitable for interior use of buildings for decorative purposes.

Features / Advantages

- Easy to apply, provides excellent adhesion.
- It has a decorative appearance and provides a homogeneous application.
- Wavy appearance caused by improper application of thermal insulation systems can be corrected.
- Water and frost resistant.
- It is resistant to external influences and protects the structure for many years.
- Water vapor permeable, allows the surface to breathe.
- Exterior paints can be applied on it.
- Reduces product consumption with fine grain texture.

Application Directions

a) Surface Preparation:

Minimum 12 hours after the application of primer on the surfaces where the thermal insulation board plaster mortar or thermal insulation board plaster and jacketing primer is applied, 4003 Terma Dekor Grain and Line Textured application is applied.

b) Product Preparation:

25 kg **4003 Terma Dekor**, Mineral Textured - White (Thin-Thick) is added into approximately 6 - 6.5 liters of clean water and preferably mixed with a low speed mixer so that no lump remains. The prepared mortar is left to mature for 5-10 minutes and used by mixing again for 1-2 minutes. The mixture in the container should be consumed within 1,5-2 hours.

c) Application Method:

The material should be applied with a steel trowel and spread over the entire surface of equal thickness. The application thickness should be adjusted to the largest aggregate. Within 10 minutes at the latest, when the material is still wet, make a circular pattern with a plastic trowel to give the plaster a pattern. If the air temperature is high after the application is completed, moisten the surface until the cement sets.

Issues to be Considered

- Do not allow to form the film on the plaster by applying plastic trowel within 10 minutes at the latest.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snowfall or heavy cold is expected in about 1 week after the application, it should not be applied or protection measures should be taken.
- Never add water and powder to the mortar that has expired.
- The product should not be applied on the horizontal surface exposed to rain.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **4003 Terma Dekor** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended consumption amount for 1 m² application; 3,0 - 3,5 kg. This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

4003 Lotti Dekor

Quality Certificates:

Manufactured according to TS 7847

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------------|--------------------------------------------------------------------------------|
| Chemical structure | White cement based decorative coating with fiber and water repellent additives |
| Dry Density | 1,65 ± 0,1 gr/cm ³ |
| Mortar Density | 1,80 ± 0,1 gr/cm ³ |
| Grain Size | 5 2000 µm |
| Floor Thickness | Max 2,5 mm |
| Color | White |
| Brightness (Class G3) | TS 4318 EN ISO 2813 |
| Dry Film Thickness (Class E5) | TS EN 1062-1 |
| Grain Size (Class S4) | TS 2585 |
| Water Vapor Transfer Rate (Class V2) | TS EN ISO 7783-2 |
| Water Transfer Rate (Class W2) | TS EN 1062-3 |



4004 LOTTI NATURAL

Natural Insulation Plaster (Fiber)

It is a thermal insulation plastering mortar with high flexibility and adhesion, breathable, resistant to adverse weather conditions, water and impacts, fiber reinforced, providing ease of application.



Places of Usage

- Used in exterior and interior facades of buildings where water, heat and sound insulation are required.

Features / Advantages

- Mixed with water only.
- Extremely smooth surface.
- Polymer reinforced, provides high adherence without primer.
- Does not shrink.
- Resistant to water, frost and bad weather.
- Quick setting and does not crack.

Application Directions

a) Surface Preparation:

4004 Termanto Natural is easily applied to dry and slightly damp surfaces. However, the surfaces to be applied should be clean and free of all kinds of dirt, dust, oil and residues. Highly absorbent surfaces should be moistened before application. Lats that determine the thickness to be applied of **4004 Termanto Natural** are nailed at appropriate intervals to form anos.

b) Product Preparation:

The appropriate amount of water is poured into the clean mixing vessel using a scale. Pour the whole bag over and mix thoroughly with the help of a mixer until all the lumps disappear. Allow to rest for about 5 minutes and mix again. The material is ready to use.

c) Primer:

The first layer of primer is applied between the anos with a steel trowel or spray with a maximum thickness of 0,5 cm.

d) Application Method:

The mortar, whose mixing process is completed, is applied to the primer till the thickness of the anos by applying or slamming with a trowel. It is jiggged and the gaps between the anos are filled with **4004 Termanto Natural** and smoothed. The surface of **4004 Termanto Natural** is polished with tripylite by sprinkling water in the next time to dry, laid on the surface. Then it is smoothed to the desired thickness with a trowel. After the first setting time of the mortar (25-70 minutes according to the external temperature and the thickness of the mortar layer), polishing is completed with a trowel.

Issues to be Considered

- **4004 Termanto Natural** should not be used in environments where the floor temperature is below +5°C. If the floor temperature is above +25°C, the surface should be moistened.
- **4004 Termanto Natural** applied at 23°C reaches its final strength after 14 days. At low temperatures this period is extended.
- Water and powder are not added to the mixture which has started to set.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **4004 Termanto Natural** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 5,5 kg/m² (For 1 cm Thickness)

Package

20 kg kraft bags. (64 kraft bags / Pallett)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|-------------------------------------------------|--------------------------------------|
| Plaster view | White and gray, granulometric powder |
| Water Mixing Amount | 1,25 :1 powder:water |
| Time Spent in Container | 4 hours |
| Resting Time | 5 min. |
| Flexural Strenght (28 days) | 3,6 N/mm ² |
| Compressive Strenght (28 days) | 217 N/mm ² |
| Compressive strength after freze-thaw (28 days) | 16 N/mm ² |
| Flexural Strenght after freze-thraw (28 days) | 3,2 N/mm ² |
| Shrinkage | 0,78 mm/m ¹ |
| Setting Time | 7 hours 10 min. |
| First Setting Time | 35 min |
| Loose Unit Weight | 0,600-0,800 kg/dm ² |
| Amount of rust forming material | % 0,004 |
| Structural Distortion Temperature | 900 °C |
| Melting temperature | 1200 °C |
| Thermal conductivity value | 0,045 W/mk |
| Sound absorption value | 21 dB |
| Reduced water absorption after 240 minutes | 3,02 gr |
| Adhesion Strength (28 days to concrete) | 0,68 N/mm ² |

4004 Lotti Natural

Quality Certificates:

Manufactured according to TS EN 998-1 (GP)



4005 LOTTI SAP

Interior & Exterior Insulation Screed

Ready plaster that provides smooth surface finish, heat, fire, water, sound insulation; Hydraulic connector interior & exterior insulation screed in the form of screed containing naturally occurring silica-based volcanic rocks, allowing the application surface to breathe.



Places of Usage

- Used on floors of buildings where water, heat and sound insulation are required.

Features / Advantages

- Mixed with water only.
- Extremely smooth surface.
- Polymer reinforced, provides high adherence without primer.
- Does not shrink.
- Resistant to water, frost and bad weather.
- Quick setting and does not crack.

Application Directions

a) Surface Preparation:

The application surface is free of dust, oil and dirt. If there is loose ground on the surface, it should be cleaned up to solid concrete surface. Joints that determine the thickness to be applied of 4005 Termanto Sap are nailed at appropriate intervals to form anos.

b) Product Preparation:

For the homogeneous mixture of 4005 Termanto Sap, the entire package is used at one time. Depending on the size of the area to be used, the mixture is made with concrete mixer, screed machine or low speed mixer. Mortar type tip is used in the mixer. 13-15 liters of water is put into a clean mixing vessel and 20 kg of material is poured and mixed with a mixer until all lumps disappear. The total mixing time is 5 minutes. Allow to rest for about 5 minutes and mix again for 30 seconds. The material is ready to use.

c) Primer:

Multipurpose primer should be applied with a brush in the amount of 100 g/m². When the primer dries, a unscratchable, transparent film layer is obtained. Permeable surfaces should be primed twice. The second coat primer should be applied after the first coat by diluting in a ratio of 1/1 to 100 grams per m².

d) Application Method:

4005 Termanto Sap, which is prepared in consistency, is applied by hand at least 2 cm - maximum 20 cm between the anos and jugged with the help of a gauge without pressing. When the first set time of 4005 Termanto Sap expires, the anos are removed and the gaps are filled with 4005 Termanto Sap. After 4005 Termanto Sap has dried, 4-5 mm joint cutting should be performed with a joint cutting machine at regular intervals. The joints should be filled by selecting a suitable joint sealant.

Issues to be Considered

- 4005 Termanto Sap should not be used in environments where the floor temperature is below + 5°C. If the floor temperature is above + 25°C, the surface should be moistened.
- 4005 Termanto Sap applied at 23 °C reaches its final strength after 14 days. At low temperatures this period is extended.
- Water and powder are not added to the mixture which has started to set.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. 4005 Termanto Sap can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Average 9-10 kg/m² (For 1 cm Thickness)

Package

20 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------------------------|--------------------------------------|
| Plaster view | White and gray, granulometric powder |
| Water Mixing Amount | 13-15 lt su /20 kg |
| Time Spent in Container | 4 hours |
| Resting Time | 5 min |
| Flexural Strength (28 days) | 3.9 N/mm ² |
| Compressive Strength (28 days) | 21 N/mm ² |
| Compressive strength after freeze-thaw (28 days) | 19 N/mm ² |
| Flexural Strength after freeze-thaw (28 days) | 3.1 N/mm ² |
| Shrinkage | 0.72 mm/m ¹ |
| Setting Time | 11 hours 45 min. |
| First Setting Time | 70 min. |
| Loose Unit Weight | 0,600-0,800 kg/dm ² |
| Amount of rust forming material | % 0,004 |
| Structural Distortion Temperature | 900 °C |
| Melting temperature | 1200 °C |
| Thermal conductivity value | < 0,1 W/mk |
| Sound absorption value | 29 dB |
| Reduced water absorption after 240 minutes | 2,08 gr |
| Adhesion Strength (28 days to concrete) | 0.68 N/mm ² |

4005 Lotti Sap

Quality Certificates:

Manufactured according to TS EN 998-1 (GP)



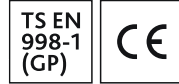
READY PLASTER products



5001 SIVA ART ES

Finish Ready Plaster (Fiber)

It is a thin / thick, cement based, one component, hand-applied plaster mortar that can be used indoors and outdoors to obtain a smooth surface before painting and decorative coatings on surfaces such as concrete and exposed concrete.



Places of Usage

- Used indoors and outdoors on lined concrete and lined gas concrete surfaces, walls and ceilings where all kinds of rough plaster is applied.

Features / Advantages

- Provides a smooth surface.
- As it is white color, it can be used without paint.
- It has a positive effect on the overall appearance of the building.
- Reduces paint consumption.
- Saves time and labor.
- As it provides high adherence with the surface, provide an application that has less loss of fall back than black plaster.
- It provides high adherence and stability, does not sag.
- As it is a fabricated mortar, it provides quality continuity compared to black plaster.
- It is more resistant to outdoor conditions than black plaster.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped.

Repair of surface defects with a depth of more than 1 cm should be done with Termatect Repair Mortars 6-8 hours before application. In cases where structural repair mortar is required, Termatect Structural Repair Mortars should be preferred. Application surface should be moistened with water if necessary. After the surface cleaning, the surface should be primed with Termatect Multipurpose Primer as one coat and allowed to dry for 1-2 hours in order to increase the adhesion strength and balance the surface absorbency. Before applying the gas concrete surfaces, the water absorbency of the surface should be reduced by applying Termatect Multipurpose Primer. In order to increase the adhesion strength before the application on exposed concrete surfaces, the surface should be primed with Termatect Exposed Concrete Primer as a single coat and allowed to dry for a minimum of 3 hours.

b) Product Preparation:

35 kg Termatect Finish Plaster (Gray-White) is added into approximately 8-9 liters of clean water and mixed with a low-speed mixer so that no lumps remain. The prepared mortar is left to mature for 5-10 minutes and used by mixing again for 1-2 minutes. The mixture in the container should be consumed within 2-3 hours.

c) Application Method:

After the application is done with a steel trowel, the surface should be smoothed with a gauge. Application thickness should be between 2 mm and 7 mm. After the plaster is discharged its water, the surface should be covered and the final corrections should be made with a damp sponge.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add foreign materials such as lime, cement, sand and gypsum into the material.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snowfall or severe cold is expected within about one week after application, no application should be performed or protection measures should be taken.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **5001 Siva Art ES** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 1 mm thickness at 1 m²

- (Thin) On gas concrete surface: 1,5 - 2,5 kg
- On primed concrete surface: 2,0 - 3,0 kg
- Rough plastered surface: 2,0 - 3,0 kg.
- (Thick) On gas concrete surface: 15,0 - 16,0 kg
- On primed concrete surface: 17,0 - 18,0 kg
- On the briquette surface: 17,5 - 18,5 kg.
- On the brick surface: 20,5 - 21,5 kg.

This value may vary depending on surface and ambient conditions.

Package

35 kg kraft bags. (50 kraft bags / Pallett)

5001 Siva Art ES

Quality Certificates:

Manufactured according to TS EN 998-1 (GP)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

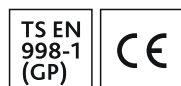
| | |
|--------------------------------------------------------|-------------------------------|
| Appearance | White and Gray powder |
| Dry Bulk Density (TS EN 1015-10) | 1,45 ± 0,1 gr/cm ³ |
| Compressive strength(TS EN 1015-11) | CS IV |
| Bond strength (TS EN 1015-12) | > 0,5 N/mm ² |
| Capillary water absorption coefficient (TS EN 1015-18) | W1 |
| Water vapor permeability coefficient (TS EN 1015-19) | μ < 12 |
| Air content CTS EN 1015-7) | % 7 ± 0,5 |
| Machining Time (TS EN 1015-9) | > 4 hours |
| Reaction to fire (TS EN 13501-1) | A1 |
| Pot Life | Max 1 hours |
| Correcting time of plaster surface | Min. 30 min. |
| Full drying time | Min. 2 days |



5002 SIVA ART MS

Rough Machine Plaster (Fiber)

It is a thin / thick, cement based, one component, machine-applied plaster mortar that can be used indoors and outdoors to obtain a smooth surface before painting and decorative coatings on surfaces such as concrete and exposed concrete.



Places of Usage

- Used indoors and outdoors on lined concrete and lined gas concrete surfaces, walls and ceilings where all kinds of rough plaster is applied.

Features / Advantages

- Provides a smooth surface.
- As it is white color, it can be used without paint.
- It has a positive effect on the overall appearance of the building.
- Reduces paint consumption.
- Saves time and labor.
- As it provides high adherence with the surface, provide an application that has less loss of fall back than black plaster.
- It provides high adherence and stability, does not sag.
- As it is a fabricated mortar, it provides quality continuity compared to black plaster.
- It is more resistant to outdoor conditions than black plaster.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Repair Mortars 6-8 hours before application.

In cases where structural repair mortar is required, Termatect Structural Repair Mortars should be preferred. Application surface should be moistened with water if necessary. After the surface cleaning, the surface should be primed with Termatect Multipurpose Primer as one coat and allowed to dry for 1-2 hours in order to increase the adhesion strength and balance the surface absorbency. Before applying the gas concrete surfaces, the water absorbency of the surface should be reduced by applying Termatect Multipurpose Primer. In order to increase the adhesion strength before the application on exposed concrete surfaces, the surface should be primed with Termatect Exposed Concrete Primer as a single coat and allowed to dry for a minimum of 3 hours.

b) Product Preparation:

35 kg Termatect Finish Plaster (Gray-White) is added into approximately 8-9 liters of clean water and mixed with a low-speed mixer so that no lumps remain. The prepared mortar is left to mature for 5-10 minutes and used by mixing again for 1-2 minutes. The mixture in the container should be consumed within 2-3 hours.

c) Application Method:

After the application is done with a steel trowel, the surface should be smoothed with a gauge. Application thickness should be between 2 mm and 7 mm. After the plaster is discharged its water, the surface should be covered and the final corrections should be made with a damp sponge.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add foreign materials such as lime, cement, sand and gypsum into the material.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snowfall or severe cold is expected within about one week after application, no application should be performed or protection measures should be taken.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **5002 Siva Art MS** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 1 mm thickness at 1 m²

- (Thin) On gas concrete surface: 1,5 - 2,5 kg
- On primed concrete surface: 2,0 - 3,0 kg
- Rough plastered surface: 2,0 - 3,0 kg.
- (Thick) On gas concrete surface: 15,0 - 16,0 kg
- On primed concrete surface: 17,0 - 18,0 kg
- On the briquette surface: 17,5 - 18,5 kg.
- On the brick surface: 20,5 - 21,5 kg.

This value may vary depending on surface and ambient conditions.

Package

35 kg kraft bags. (50 kraft bags / Pallett)

5002 Siva Art MS

Quality Certificates:

Manufactured according to TS EN 998-1 (GP)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

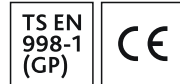
| | |
|--------------------------------------------------------|-------------------------------|
| Appearance | White and Gray powder |
| Dry Bulk Density (TS EN 1015-10) | 1,45 ± 0,1 gr/cm ³ |
| Compressive strength(TS EN 1015-11) | CS IV |
| Bond strength (TS EN 1015-12) | > 0,5 N/mm ² |
| Capillary water absorption coefficient (TS EN 1015-18) | W1 |
| Water vapor permeability coefficient (TS EN 1015-19) | μ < 12 |
| Air content CTS EN 1015-7) | % 7 ± 0,5 |
| Machining Time (TS EN 1015-9) | > 4 hours |
| Reaction to fire (TS EN 13501-1) | A1 |
| Pot Life | Max 1 hours |
| Correcting time of plaster surface | Min. 30 min. |
| Full drying time | Min. 2 days |



5003 SIVA ART S

Satin Plaster

It is a white cement based, one component, non-cracking, water and moisture resistant plastering material that completely eliminates surface defects on the topcoat, can be used before painting, indoors, on walls and ceilings, has high adherence and durability compared to gypsum and gypsum based materials, reduces paint consumption.



Places of Usage

- Used indoors and outdoors, on black surfaces, on walls and ceilings to smooth surfaces before painting.

Features / Advantages

- Provides aesthetic appearance.
- Prepares the surface for painting.
- As it provides high adherence with the surface, does not spill, bond strength is high.
- High performance, does not crack.
- Easy to prepare and apply.

Application Directions

a) Surface Preparation:

Before applying **5003 Siva Art S**, cement based plaster should be applied on the surface. The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Application surface should be moistened with water if necessary. After the surface cleaning, the surface should be primed with Termatect primer as a single layer to increase the adhesion strength and balance the surface absorbency and should be allowed to dry for 1-2 hours.

b) Product Preparation:

20 kg **5003 Siva Art S** (White) is slowly added into approximately 6.5 - 7.5 liters of clean water and mixed with a low speed mixer until no lumps remain. The prepared mortar is rested for 5-10 minutes to mature and mixed again for 1-2 minutes. The mixture in the container should be consumed within 2-3 hours.

c) Application Method:

Application should be performed on all surfaces with equal thickness with the help of steel trowel. After the plaster is discharged its water, the surface should be covered and the final corrections should be made with a damp sponge. If a smooth surface cannot be obtained when completely dry, sanding should be applied where necessary. Application thickness should be between 1-3 mm in one coat. Application Recommendations: After application, the surface should be moistened for 2-3 days. After the full drying time, sanding should be done. It should not be applied on surfaces where paint, ready colored plaster, rough rendering or siding has been applied.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add foreign materials such as lime, cement, sand and gypsum into the material.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snowfall or severe cold is expected within about one week after application, no application should be performed or protection measures should be taken.
- Never add water and powder to the mortar that has expired.
- Do not use outdoors as the product is formulated for indoor use.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **5003 Siva Art S** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 1 mm thickness at 1m² ; 2,25 - 2,75 kg. This value may vary depending on surface and ambient conditions.

Package

20 kg kraft bags. (64 kraft bags / Pallett)

5003 Siva Art S

Quality Certificates:

Manufactured according to TS EN 998-1 (GP)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|----------------------------------------|----------------------------------------------|
| Appearance | White fine powder |
| Chemical Structure | Cement based, polymer and chemical additives |
| Dry Density | 1,45 ± 0,1 gr/cm ³ |
| Mortar Density | 1,70 ± 0,1 gr/cm ³ |
| Grain size | <150 µm |
| Coat Thickness | 1-3 mm |
| Pot Life | Max. 3 hours |
| Correcting time of plaster surface | Max. 30 min. |
| Touch Time | Min. 3 hours |
| Full drying time | Min. 2 days |
| Dry Bulk Density | 1,45 ± 0,1 gr/cm ³ |
| Compressive Strength | CS III |
| Bond Strength | <0,5 N/mm ² |
| Capillary Water Absorption Coefficient | W0 |
| Water Vapor Permeability Coefficient | µ < 15 |
| Air Content | % 4 ± 0,5 |
| Machining Time | > 2 hours |
| Reaction to Fire | A1 |



INDUSTRIAL

primers



6001 PRIMER BRÜT

Exposed Concrete Primer

It is acrylic polymer based, one component, quartz granular economic plaster primer that increase the adherence and working time of the surface before the application of cement or gypsum based plasters for exposed concrete surfaces.



Places of Usage

- Indoor and outdoor,
- On horizontal and vertical surfaces,
- On roofs
- As a primer to increase adhesion strength in the application of plaster, lime and cement based plasters on the exposed concrete surface.

Features / Advantages

- Easy to apply.
- Increases adherence of cement and especially gypsum based plasters to exposed concrete.
- Prevents rapid water loss of cement and especially gypsum based plasters.
- Increases working time and workability of cement and especially gypsum based plasters.
- Solvent free.

Application Directions

a) Surface Preparation:

The surface should be cured and intact. The surface should be free of residues (Oil, dirt, detergent, soap, etc.) that will prevent adhesion. If necessary, the surface should be smoothed with Termatect Repair Mortars and cracks should be repaired.

b) Product Preparation:

6001 Primer Brüt is applied by brush or roller after adding 25% water into the plastic bucket and mixing well. It is recommended to make the mixture with low speed mixer less than 500 rpm. Drying time is 45-60 minutes. Do not apply on it before it dries. The temperature of the application surface should be minimum 5°C-30°C and the surface should not receive rain. After the applied 6001 Primer Brüt has dried, the application of plaster should be started at least 24 hours later. After application, hands and application tools should be washed with plenty of water.

Issues to be Considered

- Refer to the Safety Data Sheet for information.
- The specified consumption is for general information purposes. It may vary depending on application conditions and surface properties.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **6001 Primer Brüt** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

It is approximately 150- 250 gr/m² depending on the absorpency and roughness of the surface. (Diluted mixture consumption: 210-375 gr/m². It is applied in a way that single layer wet film thickness is applied between 160 and 280 microns.)

Package

In 20 kg, 12 kg, 3,5 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------|------------------------------------------|
| Material Structure | Modified Polymer, Resin Based Dispersion |
| Color | Green |
| Consistency | Brush Consistency |
| Density (concentrated)) | ~1,50 kg/ltr |
| Application Thickness | Min. 0,20 mm Maks. 0,40 mm |
| Application Ground Temperature | +5 °C +35 °C |
| Service Temperature | -20 °C +80 °C |
| Drying Time | 60 / 120 min. |
| Full Drying Time | ~24 hours |

6001 Primer Brüt

Quality Certificates:

Manufactured according to TS EN 1504-2



6002 PRIMER DG

Rammed Lining

It is acrylic dispersion based, one component, consistent lining with high adhesion strength applied before ceramic is coated on vertical glassy surfaces or ceramic surfaces to increase the adhesion and balance the absorbency of the surface.



Places of Usage

- Indoors-outdoors, vertical and horizontal applications,
- Outdoors, coatings such as ceramic, glazed press bricks, natural and composite stone,
- Indoors, on application by priming non-absorbent surfaces such as PVC and metal whose surface is sanded, adhered to the floor strongly,
- Providing excellent adherence on bright exposed concrete surfaces and before the application of repair mortar used for cosmetic purposes,
- In order to extend the processing time of leveling screed and other similar screeds, increase adherence to the ground and minimize air bubbles
- As a primer material before plastering or ceramic bonding works on wood particleboard surfaces indoors.

Features / Advantages

- It increases the adhesion strength by creating a rough surface for bonding ceramic on smooth and bright floors.
- It provides better adhesion of the ceramic adhesive to the surface by ensuring that the dusty parts on the surfaces adhere to the surface.
- Ready to use. It can be applied by brush or roller.
- Solvent free. Odorless. It does not harm human and environmental health.

Application Directions

a) Surface Preparation:

The application surface must be solid, dry, carrier, dust-free and clean and at the same time in its balance. The surface should be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence and there should be no loose particles on the surface.

b) Product Preparation:

6002 Primer DG is mixed with 400-600 rpm mixer for 3-5 minutes until a uniform mixture is achieved.

c) Application Method:

Use a post roll or a small porous coral roll as a primer tool, provided that it does not exceed the maximum consumption. Do not allow to form ponding by distributing the material evenly. Thickness should not exceed 200 microns in each coat application. When the primer is dry, a yellowish, unscratchable and sandy film layer is obtained. Application is performed on the film layer formed.



Issues to be Considered

- **6002 Primer DG** is not suitable for structures in continuous water.
- In **6002 Primer DG** application, if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be waited.
- Avoid contamination of the primer during and after application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **6002 Primer DG** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Depending on surface absorbency and roughness, it is approximately 120- 180 gr/m².

Package

In 12 kg, 3,5 kg, 1 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------|-----------------------------|
| Material Structure | Modified Special Dispersion |
| Color | Pink |
| Consistency | Brush consistency |
| Density | ~1,31 kg/t |
| Application Ground Temperature | +5 °C +35 °C |
| Service Temperature | ~3 hours |

6002 Primer DG

Quality Certificates:

Manufactured according to TS EN 1504-2



6003 PRIMER CA

Adherence Enhancing Concrete Primer

It is acrylic based, one-component, ready to use primer for dusty and absorbent surfaces.



Places of Usage

- In reducing the water absorbency of concrete, gas concrete, briquette, plaster, screed, wood, plaster etc. or before the application of coating material, ceramic adhesive, waterproofing products, leveling screed and self-spreading screed.
- Suitable for indoor and outdoor use on horizontal and vertical surfaces.

Features / Advantages

- It gives excellent results on surfaces that require high adherence.
- It prevents dusting by penetrating on the surface with impregnation feature.
- Reduces surface absorbency and makes the surface ready for application.
- Contributes to the formation of a dust-free surface.
- Ready to use, easy and quick to apply.
- Solvent-free, eco friendly.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Repair Mortar 6-8 hours in advance. In cases where structural repair mortar is required, Termatect Structural Repair Mortar should be used.

b) Application Method:

6003 Primer CA should be shaken before application and applied homogeneously to the surface with a brush or roller.

Issues to be Considered

- Refer to the Safety Data Sheet for information.
 - The specified consumption is for general information purposes.
- It may vary depending on application conditions and surface properties.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **6003 Primer CA** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended consumption for 1 m² and single coat application; 0,1 - 0,2 kg. This value may vary depending on surface and ambient conditions.

Package

In 10 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|---------------------------------------------------|--------------------------------------------------|
| Appearance | Opaque liquid |
| Shelf Life | 12 months in unopened package in dry environment |
| Chemical Structure | Polymer emulsion based primer |
| Density | 1,00 ± 0,1 gr/cm ³ |
| PH | 8-9 |
| Pot Life | Max. 1 hour |
| Waiting Time Between Coats | Min. 1 hour |
| Waiting Time for Top Coat | Min. 2 hour |
| Processing Depth | ≥ 5 mm |
| Capillary Water Absorption and Water Permeability | < 0,1 kg/m ² .h ^{0,5} |
| Reaction to Fire | E |

6003 Primer CA

Quality Certificates:

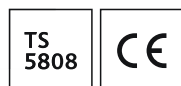
Manufactured according to TS EN 1504-2



6004 PRIMER KA

Decorative Coating Primer

It is acrylic dispersion based, water based, one component, white color covering primer with high adhesion strength that can be used under all cement based interior and exterior coating materials.



Places of Usage

- Indoor and outdoor,
- Horizontal and vertical applications,
- To increase adherence before applying decorative plaster mortar on the thermal insulation board plastering mortars,
- As a primer before application on old surfaces,
- It is applied under all cement based interior and exterior coating materials.

Features / Advantages

- It provides high adherence between application surface and coating mortar.
- It is applied before the cement based coatings to be made on absorbent surfaces and prevents rapid water loss of the mortar.
- It provides resistance against moisture.
- Occlusive.
- Ready to use, easy and quick to apply.
- Water-based, odorless, can be safely used indoors.
- It provides ease of application with its white color in heat insulation applications.

Application Directions

a) Surface Preparation:

The application surface should be cured. The application surface should be cleaned from dust, oil, tar, pitch, paint, silicone, curing material, detergent and molding oil.

b) Application Method:

6004 Primer KA is a ready to use primer. Mix well before use and apply a single coat to the surface with a brush or roller. If necessary, it can be diluted with a maximum of 5% by weight of clean water. The drying time of the product is approximately 6 hours.

Issues to be Considered

- Refer to the Safety Data Sheet for information.
 - The specified consumption is for general information purposes.
- It may vary depending on application conditions and surface properties.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **6004 Primer KA** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

100-150 kg/m² for one coat

Package

In 20 kg plastic buckets.

| TECHNICAL SPECIFICATIONS | | (23 °C and 50% Relative Humidity) |
|--------------------------------|--------------------------------------------------|-----------------------------------|
| GENERAL INFORMATION | | |
| Appearance | White liquid | |
| Shelf Life | 12 months in unopened package in dry environment | |
| APPLICATION INFORMATION | | |
| Application Temperature | (+5 °C) - (+35 °C) | |
| Drying Time | ~6 hours | |
| Consumption (Average) | 100-150 g/m ² (for one coat) | |

6004 Primer KA
Quality Certificates:
Manufactured according to TS 5808



REPAIR STRENGTHENING & restoration



7001-01 / 02 TAMIR ART

Repair Mortar

Cement based, single component, polymer reinforced, fine/thick aggregate, non-structural surface repair and smoothing mortar.



Places of Usage

- It is used as a concrete repair mortar on floors, walls and ceilings of all buildings, indoors and outdoors. It is used in repairing surfaces and chamfering applications before granite and ceramic application.

Features / Advantages

- It gains high adhesion and strength after application.
- High resistance to dynamic loads.
- Resistant to impact and vibration.
- Resistant to water and frost.
- Easy to prepare and apply.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. After the surface cleaning, the surface should be primed with Termatect primer as a single layer to increase the adhesion strength and balance the surface absorbency and should be allowed to dry for 1-2 hours. In order to increase the adhesion strength before application on exposed concrete surfaces, the surface should be primed with Termatect exposed concrete primer as a single layer and allowed to dry for a minimum of 3 hours.

b) Product Preparation:

25 kg **7001-01/02 Tamir Art** is added into 5 - 6 liters of clean water and preferably mixed with a low speed mixer so that no lumps remain. The prepared mortar is left to mature for 5-10 minutes and mixed again for 1-2 minutes. The mixture in the container should be consumed within 30 minutes.

c) Application Method:

7001-01/02 Tamir Art should be applied on all surfaces to be repaired or leveled using steel trowel with equal thickness. After application, the surface should be polished with a damp sponge. If two coats are to be applied, wait 2-3 hours between coats and the first coat should be moistened in the second coat application.



Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add powder and water to the mortar that has expired.
- After the application, keep the surface moist until the mortar hardens.
- Do not apply on gypsum, ready colored plaster, paint and exterior siding.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7001-01/02 Tamir Art** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 2 mm thickness at 1 m² 3,4 - 3,7 kg. This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------|--------------------------------------------------|
| Appearance | Gray powder |
| Chemical structure | Cement based, polymer added repair mortar |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|----------------------------------|-------------------------------|
| Dry Density | 1,40 ± 0,1 gr/cm ³ |
| Mortar Density | 1,75 ± 0,1 gr/cm ³ |
| Grain Size | ≤ 600 µm |
| Pot Life | Max 30 min. |
| Application Thickness | 2-20 mm |
| Applicable Floor Thickness | Max 10 mm (In one coat) |
| Time for Second Layer Thickness | 2-3 hours |
| Opening Time for Traffic | Min 24 hours |
| Compressive Strength | ≥ 15 MPa (R2) |
| Created Bond By Bonding | ≥ 0,8 Mpa |
| Restricted Shrinkage / Expansion | ≥ 0,8 MPa |

7001-01 / 02 Tamir Art

Quality Certificates:

Manufactured according to TS EN 1504-3



7001-03 / 04 TAMIR ART CR

Structural Repair Mortar

It is used in interior and exterior of all buildings especially in under ground, ground surface and underwater floors where sulfate and chlorine resistance is desired; chamfering application, repair surface correction before waterproofing or final coating; repair of concrete and reinforcements which damaged due to abrasion of reinforcing irons. It is fine/thick structural repair mortar.



Places of Usage

- It is used in conjunction with adhesion promoter primer in interior and exterior of all buildings especially in under ground, ground surface and underwater floors where sulfate and chlorine resistance is desired, chamfering application, repair, surface correction before waterproofing or final coating, repair of concrete and reinforcements which damaged due to abrasion of reinforcing irons, it gives excellent results especially in chamfering, filling of rod holes and drilling cores.

Features / Advantages

- Due to its high compressive strength, it provides effective results in structural repairs.
- It is used in structural repair of all kinds of reinforced concrete structural elements.
- Very high adhesion strength.
- It forms a durable and smooth surface after application.
- Does not contain sulphate and chloride ions.
- Resistant to water and frost.
- Easy to prepare and apply.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. After the surface cleaning, the surface should be primed with Termatect primer as a single layer to increase the adhesion strength and balance the surface absorbency and should be allowed to dry for 1-2 hours. In order to increase the adhesion strength before application on exposed concrete surfaces, the surface should be primed with Termatect exposed concrete primer as a single layer and allowed to dry for a minimum of 3 hours. Reinforcing Irons; If there is rust on the iron reinforcement, it should be cleaned. Adherence Primer should be applied with a brush as two coats on the iron reinforcement and **7001-03 / 04 Tamir Art CR** Structural should be applied on the primer before it dries.

b) Product Preparation:

25 kg **7001-03 / 04 Tamir Art CR**, is poured slowly into 5 - 6 liters of clean water and preferably mixed until homogeneous mixture is obtained. The mixture should be made with a low speed mixer (less than 500 rpm). Any additives not specified in the application instructions should not be added.

c) Application Method:

7001-03 / 04 Tamir Art CR should be applied on all surfaces to be repaired with equal thickness using a steel trowel. After application, the surface should be polished with a damp sponge or trowel.

Issues to be Considered

- As it is cement based, do not breathe powder, do not contact skin and eyes. For further information refer to the Safety Data Sheet.
- The specified consumption is for general information purposes. They may vary depending on application conditions and surface properties.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7001-03 / 04 Tamir Art CR** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 2 mm thickness at 1 m² 3,4 - 3,8 kg. This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------|--------------------------------------------------|
| Appearance | Gray powder |
| Chemical structure | Cement based, polymer added repair mortar |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|---------------------------------|-------------------------------|
| Dry Density | 1,45 ± 0,1 gr/cm ³ |
| Mortar Density | 1,80 ± 0,1 gr/cm ³ |
| Grain Size | ≤ 600 µm |
| Pot Life | Max 30 min. |
| Application Thickness | 2-20 mm |
| Applicable Floor Thickness | Max 10 mm (In one coat) |
| Time for Second Layer Thickness | 2-3 hours |
| Opening Time for Traffic | Min 24 hours |
| Compressive Strength | ≥ 25 MPa (R3) |
| Created Bond By Bonding | ≥ 1,5 Mpa |
| Chloride Ion Content | ≤ %0,05 |

7001-03 / 04 Tamir Art CR

Quality Certificates:

Manufactured according to TS EN 1504-3



7003-01 / 02 GROUTECH

Grout Mortar
(1-20 mm / 20-50 mm)

Cement based, single component, non-shrink, plastic consistency, high strength self-consolidating thin/thick grout mortar.



Places of Usage

- It can be used in steel and prefabricated structures, machine and crane foundations, foundation sockets, curtain walls, column headings, installation steel columns to the foundation. It is used for installation of railway beds, precast structure columns, concrete anchors, support plates, gas and steam turbines, generators, compressors, press and turn benches, drilling machines, filling all kinds of gaps, holes and openings. Suitable for indoor and outdoor, on horizontal surfaces.

Features / Advantages

- Self-consolidating due to fluid properties.
- Has high abrasion resistance and mechanical strength.
- Does not shrink.
- Does not contain sulphate and chloride ions.
- Resistant to impact and vibration.
- Resistant to water and frost.
- Easy to prepare and apply.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. If the application is to be carried out on the old concrete surface, the surface should be moistened without forming a puddle. Metal surfaces should be clean, rust-free, free of grease and should not have scaly appearance. The mold to be used must be firmly fixed, clean and free from leakage. Make sure that there is no accumulated water on the floor in any application. Compressed air should be used if necessary to remove water from the surface.

b) Product Preparation:

Firstly, half of the powder in 25 kg bag is added to 4,5-5 lt water and mixed with a low speed (400 - 600 rpm) mixer until no lumps remain. Then remain powder is added and continue to mix for at least 5 minutes and 12.2 lt mortar is obtained.

c) Application Method:

7003-01 Groutech must be poured from one side of the prepared mold to avoid air bubbles. (The mortar containing air bubble will prevent full contact with the surface.) When applying the base plate, the casting should be made from a certain height to ensure the fluidity of the mortar. (For maximum performance, it is recommended to consume the mortar within 15 minutes.) Maximum 6 cm thickness is recommended for the connection of precast concrete elements and fixed bearing applications. It should be ensured that the mortar is delivered to places difficult to enter with an iron or wooden stick. Application of 1-20 mm.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- It is necessary to be extremely sensitive in water ratios during mixing. It should be mixed with a low speed mixer and not manual mixing.
- If the ambient temperature is below +8°C, the application surface should be covered and the placed mortar should be kept at minimum +8°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7001-03 / 04 Tamir Art CR** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 1 mm thickness at 1 m²; 2,0 - 2,5 kg/m². This value may vary depending on surface and ambient condition.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------|-----------------------------------------------------------|
| Appearance | Gray powder |
| Chemical structure | Cement based, grout mortar containing high alumina cement |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|-------------------------------|-------------------------------|
| Density | 2,0 ± 00,1 gr/cm ³ |
| Full Dry | 24 hours |
| Pot Life | Max 45 min. |
| Planar Dry | Min 5 hours |
| Flexural Strength | ≥ 6,5 N/mm ² |
| 3rd Day Compression Strength | ≥ 40 N/mm ² |
| 7th Day Compression Strength | ≥ 50 N/mm ² |
| 28th Day Compression Strength | ≥ 60 N/mm ² |

7003-01 / 02 Tamir Art CR

Quality Certificates:

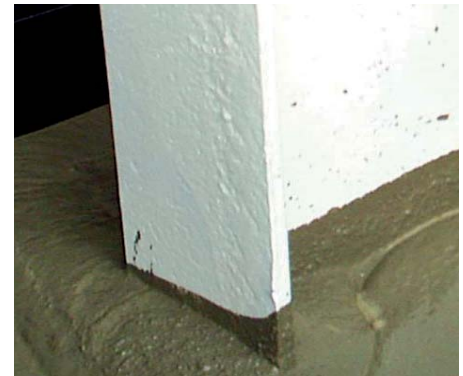
Manufactured according to TS EN 1504-3



7003-03 GROUTECH SM

Quick Setting Grout Mortar (10-50 mm)

It is a cement-based, single component, non-shrink, flowable consistency, quick setting, high strength self-consolidating grout mortar which is specially prepared without decomposition and perspiration.



Places of Usage

- For raising manhole, storm drain covers,
- Mounting of curbstone and kerb,
- For fixing the poles,
- For fixing the machine feet,
- Repair of field concretes, aircraft and helicopter runways,
- For repairs that will be opened quickly and where high strength is required,
- For combination of the prefabricated concrete elements,
- Filling the gaps in hard-to-reach places,
- Fill the gaps around the pipes and components of the installation.

Features / Advantages

- After the application, it is set in 20 minutes at the latest. Can be used after 1-2 hours.
- Due to its viscosity, it fills the gaps and can be easily applied with a pump.
- Prevents shrinkage after setting.
- If desired, a high strength and fluid concrete can be obtained by mixing 25% with clean aggregate number 1.
- Resistant to oil and water permeability due to its high density.
- Does not contain metallic aggregates and chlorine.

Application Directions

a) Surface Preparation:

The application surface should be cured. The application surface should be free of weakly adhering parts and must be free from dust, oil, tar, pitch, paint, silicone, curing agent, detergent and molding oils. When it is used to place the machine feet, the mortar should be leveled and then not changed position. The application surface should be wetted and kept moist, but the excess water that ponds the application surface should be completely removed. If there is water leakage on the application surface, it should be closed with a suitable plug and water leakage should be drained. In order to prevent leakage, the molds should be intact and the application area should be prevented from being subjected to vibration until the mortar hardens.

b) Product Preparation:

To obtain a fluent consistency, firstly, half of the powder in 25 kg bag is added to 3.25-4 liters of water and mixed with a low speed (400 - 600 rpm) mixer until no lump remains. The remain powder is then added and stirring is continued for at least 2 minutes to obtain a homogeneous consistency.

c) Application Method:

It should be applied immediately after the mixture is prepared because it gets quick setting. The prepared mortar is poured continuously from one side to prevent air squeezing into the mold in a way to form a thickness between 10 mm and 40 mm on each layer. For thicker applications, after the first coat is cured, the second coat is applied to the surface in the same way. It should not be subjected to vibration and placement with a steel wire should be done. Molds can be removed after approximately 1-2 hours. Vehicle traffic or starting of machines must be prevented until complete curing occurs.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- It is necessary to be extremely sensitive in water ratios during mixing. It should be mixed with a low speed mixer and not manual mixing.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7003-03 Groutech SM** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Approximately 20 kg/m² (For 10 mm thickness)

Package

25 kg kraft bags. (64 kraft bags / Pallet)

| TECHNICAL SPECIFICATIONS | (23 °C and 50% Relative Humidity) |
|--------------------------------------|----------------------------------------------------------------------------------------|
| GENERAL INFORMATION | |
| Appearance | Gray powder |
| Shelf Life | 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Powder Density | ~ 1,40 kg/lt |
| Water Mixing Ratio | 3,25 - 4 lt water / 25 kg powder |
| Application Temperature | (+5 °C) - (+35 °C) |
| Compressive Strength | 1 hours ≥ 10 N/mm ² (EN 12190) 28 days ≥ 50 N/mm ² (EN 12190) |
| Application Thickness (On each coat) | Min. 10 mm, Max. 50 mm |
| Walking Time On | 24 hours |

7003-03 Groutech SM

Quality Certificates:

Manufactured according to TS EN 1504-3



7005-01 RESTOREX

Restoration Plaster

Developed for use in historical buildings, pozzolanic lime based, cement-free, high-strength thixotropic historical building and repair mortar.



Places of Usage

- Stone and brick laying works,
- Repair or strengthening of historical masonry structures,
- Repair of cracks in masonry domes and vaults,
- For stone, brick and wall laying works of existing historical buildings.
- As binder in the preparation of khorasan mortar to be used in joint manufacturing.

Features / Advantages

- Easy to apply.
- Does not contain cement.
- High adhesion strength.
- Breathable, high water vapor permeability.
- It allows the production of mortar with different properties compatible with the historical texture.
- Cooked at low temperatures by conventional methods.

Application Directions

a) Surface Preparation:

Surfaces must be clean, smooth, sound, free of all kinds of dust, oil, dirt, rust, molding oil, detergent, etc. adhesion preventive materials. Weak parts on the surface must be removed. The surfaces to be repaired and plastered of historical masonry structures should be solid, dust-free and clean. The surface should be thoroughly cleaned from all kinds of oil, grease, rust, etc. that will weaken the adherence. The wall surface to be applied must be pre-moistened to improve the adhesion and setting time of the mortar. If there is water leakage on the surface, it should be closed with a suitable plug and the water should be drained.

b) Mixture:

The required amount of water is put into a clean mixing bucket with the help of the scale and Teknorep Hydraulic Lime is added slowly and mixed with a 400-500 speed mixer for about 4 minutes.

c) Application Method:

The prepared mortar thickness should be 1 - 3 cm in one layer and applied on the whole surface with the same thickness with a trowel. At least 24 hours should be allowed for intercoat applications and the previous coat should be moistened before the second coat application. Especially in hot, dry and windy environments, the mortar should be protected against rapid evaporation for 24 - 48 hours.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add foreign materials such as lime, cement, sand and plaster externally into the material.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snow or heavy cold is expected within about 1 week after application, no application or protection measures should be taken.
- Ensure that the ambient and floor temperature do not fall below the minimum permissible temperature for the material to cure.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7005-01 Restorex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Variable according to the Khorasan Mortar.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | White powder |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|-------------------------------------|----------------------------------------------------|
| Material Structure | Natural hydraulic lime |
| Application Temperatur | (+5 °C) - (+35 °C) |
| Flexural Strength | > 1,0 N/mm ² |
| Compressive Strength | > 3,70 N/mm ² |
| Class (EN 459-1) | NHL 3,5 |
| Mixing Ratio | Variable according to the Khorasan Mortar formula. |
| Consumption | Variable according to the Khorasan Mortar formula. |
| Mortar Density (g/cm ³) | 1,65 ± 0,1 |



7005-02 RESTOREX

Restoration Mortar

Natural hydraulic lime based, one component, fiber-reinforced, cement-free special restoration mortar designed for use in historical masonry structures.



Places of Usage

- For the restoration or strengthening of historical masonry structures,
- Repair or reconstruction of masonry domes and vaults,
- Forming the foundation for existing masonry walls,
- For filling large gaps.
- Repair works for the recovery of lost bearing capacity of stone, brick or alternate walls,
- In the formation of stone, brick or alternate attachments to be made for the purpose of repair or strengthened.
- For placing carbon rods in wall joints.

Features / Advantages

- Easy to apply.
- Does not contain cement.
- High adhesion strength.
- High mechanical strength.
- High efflorescence resistance.
- High water vapor permeability, breathable,
- Easy and fast application.
- Free of water-soluble salts.
- Low capillary water absorption.

Application Directions

a) Surface Preparation:

Surfaces must be clean, smooth, sound, free of all kinds of dust, oil, dirt, rust, molding oil, detergent, etc. adhesion preventive materials and residues. Weak parts on the surface must be removed. Absorbent surfaces should be pre-wetted, but no puddles remain.

b) Product Preparation:

The required amount of water (5,50 lt water for 25 kg kraft sack) is put into a clean mixing container with the help of the scale and 7005-02 Restorex Repair Mortar is added slowly and mixed with a 400-500 rpm mixer for about 4 minutes.

c) Application Method:

The prepared mortar is applied to the previously moistened surface with a trowel. In applications where the application will be made in more than one coat, after the previous coat has hardened, the application should be made such that each coat is at most 5 cm thick. The previous coat must be moistened before the new coat is applied. In screed and concrete-like applications, 30 - 35% by weight clean aggregate can be added to the fresh mortar with grain size ranging from 5-20 mm.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add foreign materials such as lime, cement, sand and plaster externally into the material.
- Pay attention to the amount of water added to the mortar. Do not add more water than necessary. Excess water added to the mortar will cause cracking and easy wear.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind. If snow or heavy cold is expected within about 1 week after application, no application or protection measures should be taken.
- Ensure that the ambient and ground temperature do not fall below the minimum permissible temperature for the material to cure.
- Never add water and powder to the mortar that has expired.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **7005-02 Restorex** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Mixture Density (kg/lt): 1,90
1 cm³/m² Powder consumption (kg): 15
Amount of mixing water (liters): 5,5

Package

25 kg kraft bags. (64 kraft bags / Pallet)

7005-02 Restorex

Quality Certificates:

Manufactured according to TS EN 1504-3

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | Gray powder |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|-----------------------------------------|--------------------------------------------------------------------------|
| Material Structure | Special mixture with natural hydraulic lime based and adjusted gradation |
| Application time | Min. 30 min |
| Application Ground Temperature | (+5 °C) - (+35 °C) |
| Grain Size | ≤ 2 mm |
| Application Thickness | 1-5 cm at each coat |
| Flexural Strength | > 2,0 N/mm ² |
| Compressive Strength(EN 1015-11) | > 15 |
| Water Vapor Permeability (EN 1745) | μ < 35 |
| Capillary Water Absorption (EN 1015-18) | 0,2 kg.m ⁻² .dk ^{-0,5} |
| Bond Strength | > 0,15 N/mm ² |
| Elasticity module | > 16000 N/mm ² . |
| Reaction to Fire | A1 |



INDUSTRIAL
flooring solution products



8001-01 / 02 / 03 LOTTI FLOOR Q

Quartz Surface Hardener

It is a abrasion resistant, powder surface hardener which is applied monolithically to fresh concrete surfaces, consisting of special type cement, high quality quartz aggregate and performance enhancing chemical additives. Used against light and medium loads.



Places of Usage

- Suitable for industrial floors with light to medium traffic. For example;
- In basement floors and cellars,
- In mechanical workshops,
- In garages for passenger cars,
- In warehouses,
- In corridors and large halls,
- In the fields of education,
- In parking areas,
- On loading and unloading areas with rubber wheeled vehicle traffic.

Features / Advantages

- High abrasion resistance (2 times more than normal concrete surface),
- Low pore structure due to its compact structure,
- Interesting,
- Easy clean and maintain,
- Different color options,
- Limited dust formation,
- Resistance to mineral oils and petroleum derivatives.

Application Directions

a) Surface Preparation:

If **8001 Terma Floor Q** is to be applied on old concrete, at least 7.5 cm thick C 25 concrete must be poured. Use Epoxy Surface Primer or Latex to increase adherence and adhesion between new concrete and old concrete. The concrete to be applied must be wet enough to absorb the moisture that **8001 Terma Floor Q** needs. The degree of wetness of the surface is extremely important. If the surface is too wet, **8001 Terma Floor Q** will disappear within the thickness of the concrete itself and become ineffective. If the surface is too dry, the product will not bind to the surface and the result will be negative.

b) Application Method:

Depending on the size of the floor, 4 - 5 m wide anodes are placed as one full and one empty. Where necessary, mesh steel is placed in the anodes and the leveling process is completed. **8001 Terma Floor Q** should be spread on both sides of the anodes in order to get the best distribution on the surface. Concrete is gauged after casting, and it is ensured that it is settled with vibrating gauge application. When the concrete is set up with a foot, the footprint remains at a depth of 2-3 mm at most, and 1/2 of **8001 Terma Floor Q** is spread evenly by hand or by mechanical spreading machine. It is expected that the material will absorb the water of the concrete, moisten and get a dark color. Make sure the color is equal on all sides of the floor. With trowel, material is fed to the ground thoroughly and integration is provided. A quantity of material is sprinkled onto the edges of the ano and dilatation joints, which are under the highest load, in a strip of 8 cm and fed with a trowel. The remaining 1/2 of the material is spread by sprinkling on the ground, it is expected to get a dark color by moistening and fed to the ground with a trowel. When the surface is hard enough to walk, polishing¹ is performed with steel trowel (helicopter).

c) Hardening:

After application, Termatect Curing agent should be used for curing of concrete.

d) Joint Cutting:

After the concrete is poured, joint cutting should be done within 2-3 days at the latest. After placing Termatect Polyethylene Joint Sealant into the joint gaps, the remaining gaps should be filled with the appropriate MS, hybrid or polyurethane mastics of Termatect.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not perform too much polishing, the product should not be thrown away during application to prevent the quartz aggregate from separating from the cement.
- Before application of **8001 Terma Floor Q**, the surface should not be polished with a steel trowel or tray.
- In proper applications, the ambient humidity is between 40 and 80% relative humidity. Low relative humidity may cause efflorescence on the surface, high relative humidity may cause sweating, slower curing and hardening, and may require prolonged application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8001 Terma Floor Q** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

For light and medium traffic: 3-5 kg/m²
For medium and heavy traffic: 5-8 kg/m²
For colored (especially light colored) floors: 7-8 kg/m²

Package

25 kg kraft bags. (64 kraft bags / Pallet)

8001-01/02/03 Lotti Floor Q

Quality Certificates:

Manufactured according to TS EN 13813

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

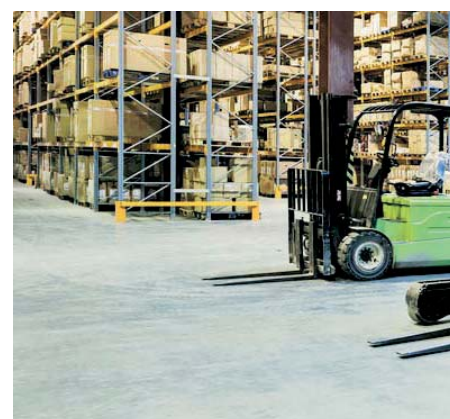
| | |
|----------------------------------|-------------------------------------------------------|
| Appearance | Natural gray, red and green powder |
| Shelf Life | 12 months in unopened package in dry environment |
| APPLICATION INFORMATION | |
| Application Temperature | (+5 °C) - (+35 °C) |
| pH | ≥ 12 |
| Aggregate Size | 0-1,4 mm |
| Hardening | Required |
| Joint Cutting | Recommended |
| Compressive Strength (28 days) | 60 N/mm ² (Nominal 60 N/mm ²) |
| Flexural Strength (28 days) | 10 N/mm ² |
| Elastiste Module (28 days) | 30 kN/mm ² |
| Adhesion to concrete | 2,5 N/mm ² |
| Abrasion Resistance-BCA | Ar1 (Wear depth of maks.100 µm) |
| Abrasion Resistance-BOHME | A6 (maks. 6c m ³ /50 cm ²) |
| Abrasion Resistance-TABER | 0,20 mm/1000 cycle |
| Abrasion Resistance-AMSLER | 2,60 mm/3000 m |
| Fire Resistance | A1fl |
| Corrosive substances Oscillation | CT (Cement based screed) |
| Impact Resistance (IR) | Class I |



8001-04 / 05 / 06 LOTTI FLOOR K

Corundum Surface Hardener

It is a abrasion resistant, powder surface hardener consisting of a mixture of special type cement, high quality corundum aggregate and performance enhancing chemical additives applied monolithically to fresh concrete surfaces. Used against light, medium and heavy loads.



Places of Usage

- It is designed to be used in applications where the floor is exposed to medium and heavy traffic, to provide permanence and when dust-free surfaces are required. It will improve and increase the performance of all concrete surfaces.
- In workshops,
- In energy stations,
- In garages,
- In the park,
- In warehouses,
- Loading ramps,
- In Factory
- In shipyards,
- In aircraft hangars,
- In car wash places,
- Used on helicopter tracks.

Features / Advantages

- Easy to apply on newly polished floor concrete.
- Thanks to the modified polymers in it, it incorporates the water of the slab concrete to which it is applied and forms a monolithic structure with concrete after finishing.
- Does not oxidize.
- Applied surface is 4 to 6 times more resistant to abrasion than normal concrete surface.
- Contains corundum aggregate with special granulometric grain size.
- Resistant to freeze- thaw cycle.
- Resistant to flaking effect caused by antifreeze salts.

Application Directions

a) Surface Preparation:

8001 Terma Floor K If is to be applied on old concrete, at least 7.5 cm thick C 25 concrete must be poured. Use Epoxy Surface Primer or Latex to increase adherence and adhesion between new concrete and old concrete. The concrete to be applied must be wet enough to absorb the moisture that 8001 Terma Floor K needs. The degree of wetness of the surface is extremely important.

If the surface is too wet, 8001 Terma Floor K will disappear within the thickness of the concrete itself and lose its effectiveness. If the surface is too dry, the product will not bond to the surface and the result will be negative.

b) Application Method:

Depending on the size of the floor, 4 - 5 m wide anos are placed as one full and one empty. Where necessary, mesh steel is placed in the anodes and the leveling process is completed. **8001 Terma Floor K** should be spread on both sides of the anos in order to get the best distribution on the surface. Concrete is gauged after casting, and it is ensured that it is settled with vibrating gauge application. When the concrete is set up with a foot, the footprint remains at a depth of 2-3 mm at most, and 1/2 of **8001 Terma Floor K** is spread evenly by hand or by mechanical spreading machine. It is expected that the material will absorb the water of the concrete, moisten and get a dark color. Make sure the color is equal on all sides of the floor. With trowel, material is fed to the ground thoroughly and integration is provided. A quantity of material is sprinkled onto the edges of the ano and dilatation joints, which are under the highest load, in a strip of 8 cm and fed with a trowel. The remaining 1/2 of the material is spread by sprinkling on the ground, it is expected to get a dark color by moistening and fed to the ground with a trowel. When the surface is hard enough to walk, polishing¹ is performed with steel trowel (helicopter).

c) Hardening:

After application, Termatect Curing agent should be used for curing of concrete.

d) Joint Cutting:

After the concrete is poured, joint cutting should be done within 2-3 days at the latest. After placing Termatect Polyethylene Joint Sealant into the joint gaps, the remaining gaps should be filled with the appropriate MS, hybrid or polyurethane mastics of Termatect.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Do not perform too much polishing, the product should not be thrown away during application to prevent the quartz aggregate from separating from the cement.
- Before application of 8001 Terma Floor Q, the surface should not be polished with a steel trowel or tray.
- In proper applications, the ambient humidity is between 40 and 80% relative humidity. Low relative humidity may cause efflorescence on the surface, high relative humidity may cause sweating, slower curing and hardening, and may require prolonged application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8001 Terma Floor K** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Depending on the intended use and traffic load; 4-8 kg/m²
In light applications less than 7 kg / m² should be used.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

8001-04/05/06 Lotti Floor K

Quality Certificates:

Manufactured according to TS EN 13813

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | Natural gray, red and green powder |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|----------------------------------|---------------------------------------------------|
| Application Temperature | (+5 °C) - (+35 °C) |
| Hardening | Required |
| Joint Cutting | Recommended |
| Compressive Strength (28 days) | C40 |
| Flexural Strength (28 days) | F5 (5-15 N/mm ²) |
| Adhesion to concrete | 2,5 N/mm ² |
| Abrasion Resistance -BOHME | A6 (maks. 6c m ³ /50 cm ²) |
| Fire Resistance | A1fl |
| Corrosive substances Oscillation | CT (Cement based screed) |
| Impact Resistance (IR) | Class I |

(23 °C and 50% Relative Humidity)



8003 LOTTI KUR HC

Concrete Curing Hydrocarbon

It is a hydrocarbon resin based, transparent amber, yellow colored, solvent based liquid curing material that prevents rapid water loss in concrete. Reduces shrinkage cracks on the surface by preventing the evaporation of the water in the fresh concrete with the film layer it forms.



Places of Usage

It is used in all areas such as storage areas, production facilities, cold storage areas, aircraft hangars, open-closed parking lots, industrial floors, docks and shops that require abrasion resistance and which should not be dusted. Suitable for indoor and outdoor, on horizontal surfaces.

Features / Advantages

- Increases chemical resistance and abrasion resistance of the applied concrete surface.
- Reduces dusting of the applied concrete surface.
- Reduces water loss of fresh concrete during hardening.
- Prevents dirt on the surface from leaking into concrete and facilitates cleaning.
- It is colorless, the application surface does not lose its concrete appearance.
- Ready to use, quick and easy to apply.
- Solvent based.

Application Directions

a) Surface Preparation:

Fresh Concrete: The surface must reach the durability that can be walked on after the final layer polishing process. Concrete quality should be minimum C20 / 25 class.

Hardened / Old concrete: The surface must be clean, sound and free of dust; adhesion preventive materials such as oil, dirt or cement laitance and surface water should be removed from the surface; materials such as mortar, cement residues should be scraped. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Structural Repair Mortar or Termatect Grout repair mortars 6-8 hours in advance.

If there are materials such as curing material, epoxy, acrylic coating, asphalt on the application surface, application should not be done. Hardened / old concrete surface should be cleaned from weak and foreign layers with 150 - 200 grit blasting stone between 150 - 300 revolutions. For an aesthetic appearance, this process should be done homogeneously on the entire surface. All dust, dirt, loose materials must be completely removed with a brush and/or vacuum cleaner before application.

b) Application Method:

Fresh Concrete: Immediately after the final coat application, the entire surface should be scanned with the help of high volume and low pressure spraying unit. It is important that the material forms a wet layer on the surface. This is necessary to observe whether the surface is fully saturated with the material. When the material begins to gel and become slippery (after 20 - 40 minutes), to reduce lubricity, the material should be lightly wetted with low pressure spray water and treated with a soft bristle brush to penetrate the surface for 10 - 20 minutes. After gelling, the surface should be rinsed and the excess material removed from the surface with a rake squeegee.

Hardened Concrete: Application should be done by scanning the whole surface with the help of high volume and low pressure spraying unit. It is important that the material forms a wet layer on the surface. This is necessary to observe whether the surface is fully saturated with the material. If rapid drying (rapid absorption by the floor) is observed, one more coat should be applied. In order to achieve the highest penetration, the application should be terminated before the gelling time (20 - 40 minutes) is completed. If there is no homogeneous appearance on the surface after gelling, the water should be lightly wetted with a sprayer and reprocessed for 10 - 20 minutes.

After this process, the surface should be rinsed with plenty of water and excess material must be removed from the surface by means of vacuum or rake squeegee. Since the surface gloss will be formed as a result of heavy traffic and usage, the gloss will be formed between 3 and 6 months if no treatment is applied. In cases where luster is desired immediately, 2-stage polishing with diamond polishing shoes should be applied; The first stage should be done with 800 grid and the second stage with 1500 grid.

Issues to be Considered

- Contains solvent, flammable.
- The concrete surface should be protected against factors such as snow and rain for 2-3 hours immediately after outdoor applications. At the end of this period, the curing material is not affected by external factors.
- Never dilute the material.
- Do not apply on wet surfaces.
- Do not apply on porous, non-absorbent and glazed surfaces.
- Ensure air circulation during application.
- If there are high thickness differences in the application, stain formation may occur.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8003 Terma Kür HC** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended amount of consumption for single coat application; 0,15 - 0,25 lt/m². This value may vary depending on surface and ambient conditions.

Package

In 20 lt plastic jerrycans and in 180 lt, 1000 lt drums.

8003 Lotti Kür Hc

Quality Certificates:

Manufactured according to TS EN 1504-2

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | Transparent amber, yellow colored liquid |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Chemical structure | Sodium silicate based surface hardener, thickener, brightener and curing agent |
| Density | 1,3 ± 0,05 g/cm ³ |
| Solid Material Ratio | ~ % 28 (by weight) |
| Gelling Time | 20-40 min |
| Opening Time for Pedestrian Traffic | 2-4 hours |
| Opening Time for Vehicle Traffic | 24 hours |
| Full Curing Time | 7 days |
| Abrasion Resistance Taber | compared to C25 concrete for abrasion strenght |
| Abrasion Device, H-22 Wheel, 1000 g /1000 Cycles | abrasion resistance increased by 35%. Abrasion resistance increased by 9% compared to C35 concrete. |
| Curing Activity | Water loss ASTM C 309 200% |
| | Water loss compared to unused concrete 60% |



8004 LOTTI KÜR AC

Concrete Curing Acrylic

Acrylic emulsion based, white colored, water based liquid curing material that prevents rapid water loss.



Places of Usage

- It is used for optimal curing of fresh concrete, screed and surface hardeners. It is applied indoors and outdoors to prevent rapid evaporation of mixing water, to increase crack formation on the surface and abrasion resistance to prevent dusting. It is suitable for curing vertical and horizontal building elements, high-rise buildings where curing with water is difficult, airport and field concretes, duct and canalette concretes, concrete castings where humidity is low and air currents are high.

Features / Advantages

- It is suitable to be used indoors where solvent based curing agents cannot be used.
- Helps concrete to reach target strength.
- Prevents shrinkage by keeping water in concrete.
- Prevents dusting as it increases the abrasion resistance of the surface.
- Ready to use, quick and easy to apply.

Application Directions

a) Surface Preparation:

Preparation of the newly applied concrete by appropriate gauging method should be completed. The surface must be firm, open-pored and clean. The surface must be free from perspiration water, oil and all loose materials, surface contaminants, cement laitance and have reached sufficient strength.

b) Application Method:

It should be applied after the smoothening of the surfaces which fresh concrete and surface hardener is applied is completed. Application should be carried out by low pressure spraying method in equal amounts and as a continuous film layer.

Issues to be Considered

- The concrete surface should be protected against factors such as snow and rain for 2-3 hours immediately after outdoor applications. At the end of this period, the curing agent is not affected by external factors.
- If there are high thickness differences in the application, stain formation can be seen.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8004 Terma Kür AC** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Recommended amount of consumption for single coat application; 0,15 - 0,25 lt/m². This value may vary depending on surface and ambient conditions.

Package

In 20 lt plastic jerrycans and in 180 lt, 1000 lt drums.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------|-------------------------------------------------|
| Appearance | White, transparent after application |
| Shelf Life | 12 months in unopened package in dry conditions |
| Chemical Structure | Polymer emulsion based curing agent |
| Density | 1,0 ± 0,1 g/cm ³ |
| Water Intake Rate | 0,55 kg/cm ³ |

8004 Lotti Kür Ac

Quality Certificates:

Manufactured according to ASTM C 156



8005-01/ 02 / 03 LOTTI FLOOR SELF

Self Leveling, Leveling Screed

Cement based, eliminating surface defects and unwanted roughness, self leveling, floor leveling and under parquet balancing screed.



Places of Usage

- It is used to create a smooth and homogeneous surface with high surface quality before laying the floor covering materials (such as ceramic, pvc, carpet, parquet) on the cement based surfaces and concrete surface areas exposed to pedestrian traffic.
- It is suitable for leveling of distances between 3-10 mm on indoor and horizontal surfaces. It can also be used for surface defects between 10 - 30 mm with the addition of dry aggregate.

Features / Advantages

- It is used for leveling surface defects up to 30 mm with the addition of dry aggregate.
- High adhesion and surface resistance.
- Does not crack and decompose.
- High flexural and compressive strength.
- It is self leveling, creates a smooth and smooth surface. Easy to prepare and apply.

Application Directions

a) Surface Preparation:

The surface should be dry, clean, sound and free of dust, oil, dirt or adhesion preventive materials should be cleaned from the surface and materials such as mortar and cement residues should be scraped. Application should be done in 4mx4m areas in order to prevent expansion and shrinkage cracks. Repair of surface defects with a depth of more than 3 cm should be done with fluid Termatect Grout repair mortars 6-8 hours before.

After the surface cleaning, the surface should be primed with Termatect primer as a single layer to increase the adhesion strength and balance the surface absorbency and should be allowed to dry for 1-2 hours. In order to increase the adhesion strength before application on gross concrete surfaces, the surface should be primed with Termatect gross concrete primer as a single coat and allowed to dry for a minimum of 3 hours.

b) Product Preparation:

25 kg **8005-01/02/03 Terma Floor Self** Ready Floor Leveling Screed (3-10 mm) is added slowly into approximately 5 - 5.5 liters of clean water and preferably mixed with a low speed mixer so that no lumps remain. The prepared mortar is left to mature for 2-3 minutes and mixed again for 1-2 minutes. The mixture in the container should be consumed in about 30 - 35 minutes.

c) Application Method:

After the product application is completed, it should be coated with suitable coating materials, depending on the drying time. For thicknesses between 10-30 mm, 0-4 mm aggregate should be added as 20% by weight. (About 5.0 kg for 25 kg package) **8005-01/02/03 Terma Floor Self**, surface smoothing screed should be poured onto the surface applied Termatect primer and should be allowed to spread automatically. Thickness adjustment between 3-10 mm should be done with a flat trowel and ano. During the application, spiked roller or nailed shoes should be used in order to avoid air bubbles in the product and to facilitate the spreading process. The mixture should be applied to the floor within 15 minutes.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- Avoid fast drying of the material.
- Wait at least 3 days to cover.
- Not applicable outdoors, industrial areas.
- Do not apply on wet surfaces exposed to moisture.
- For floor heating systems, the heating system must be switched off 24 hours before application and switched on 72 hours after application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8005-01/02/03 Terma Floor Self** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

The recommended amount of consumption for 1 cm thickness at 1 m²; 19-21 kg. This value may vary depending on surface and ambient conditions.

Package

25 kg kraft bags. (64 kraft bags / Pallet)

8005-01/02/03 Lotti Floor Self

Quality Certificates:

Manufactured according to TS EN 13813

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | Gray powder |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Chemical Structure | Cement based screed containing high alumina cement and plasticizing additives |
| Powder Density | 1,40 ± 0,5 g/cm ³ |
| Mortar Density | 2,20 ± 0,25 g/cm ³ |
| Application Thickness | Leveling of irregularities up to 1-10 mm 30 mm can be done with the addition of 20% by weight dry aggregate of size 0-4 mm. |
| Pot Life | 30-35 min. |
| Openning Time to Traffic (for 1 cm thickness) | Min 24 saat |
| Required Time for Parquet, PVC Coating (For 1 cm thickness) | Min 24 saat |
| Compressive Strength | ≥ 25 N/mm ² |
| Flexural Strength | ≥ 6 N/mm ² |
| Böhme Abrasion Resistance | 22 cm ³ /50 cm ² |



8005-04 LOTTI FLOOR SELF

Ready Screed

It is a cement based, self leveling, floor leveling and sub-ceramic balancing screed that can be applied up to 50 mm thickness, eliminating surface defects and unwanted roughness.



Places of Usage

- In shopping centers, shops and markets,
- For leveling the surface with a thickness of 10-50 mm before laying ceramic, granite, marble, wood, parquet, laminate, carpet and PVC coatings.
- In indoor and dry environments,
- In residences,
- In hospitals,
- In education buildings,

Features / Advantages

- It can be applied quickly and easily by hand or pump with 10 - 50 mm thickness.
- It has high flexural and compressive strength and high surface adherence.
- It is self-leveling and balanced, eliminates the roughness of the subfloor.
- Suitable for floor heating floors.
- Hardens quickly without cracking.
- Can be applied on old concrete floors.
- Economical.

Application Directions

a) Surface Preparation:

The application surface should be cured. The application surface should be cleaned from dust, oil, tar, pitch, paint, silicone, curing agent, detergent and molding oil. On very worn concrete surfaces, after adherence is increased with cement slurry added Termatect Latex, primer application can be started. The surface should be solid, dry and free of cracks. How much level difference on the application surface should be determined by using tools such as water level, levelling instrument. Prime the surface with Termatect Floor Primer to increase resistance to absorbency or smoothness.

b) Product Preparation:

25 kg **8005-04 Terma Floor Self** ready floor leveling screed (3-10 mm) is added slowly into approximately 5 - 5.5 liters of clean water and preferably mixed with a low speed mixer so that no lumps remain. The prepared mortar is left to mature for 2-3 minutes and mixed again for 1-2 minutes. The mixture in the container should be consumed in about 30 - 35 minutes.

c) Application Method:

Following the priming of the surface, **8005-04 Terma Floor Self** application is started after at least 30 minutes depending on the weather conditions. Empty the prepared fluent mortar to the surface. To make the spreading process easier, make some corrections with the notched trowel and adjust the thickness. During the application, use spiked roller or nailed shoes to prevent air bubbles in the product. In large area applications, continuous application is required to prevent cold joints. Therefore, in order to ensure the continuity of the pouring process, material should be prepared in more than one bucket and the application should be completed by pouring it onto the ground one after the other.

Issues to be Considered

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
- Never add water and powder to the mortar that has expired.
- Avoid fast drying of the material.
- Wait at least 3 days to cover.
- Not applicable outdoors, industrial areas.
- Do not apply on wet surfaces exposed to moisture.
- For floor heating systems, the heating system must be switched off 24 hours before application and switched on 72 hours after application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **8005-04 Terma Floor Self** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

1,7 -1,8 kg/m² (For 1 mm thickness)

Package

25 kg kraft bags. (64 kraft bags / Pallet)

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|------------|--------------------------------------------------|
| Appearance | Gray fine powder |
| Shelf Life | 12 months in unopened package in dry environment |

APPLICATION INFORMATION

| | |
|--------------------------------------------|------------------------------------------------|
| Powder Density | ~ 1,40 kg/lit |
| Water Mixing Ratio | 5-5,5 lt water / 25 kg powder |
| Pot Life | 30-35 min |
| Walking Time On | 5 hours |
| Adhesion Strength | ≥ 1 N/mm ² 28 Days (EN 1542) |
| Abrasion Resistance Against Rotating Wheel | ≤ 1 cm ³ 28 Days (EN 13892-2) |
| Compressive Strength | ≥ 40 N/mm ² 28 Days (TS EN 13892-2) |
| Flexural Strength | ≥ 10 N/mm ² 28 Days (TS EN 13892-2) |
| Application Temperature | (+5 °C) - (+35 °C) |

8005-04 Lotti Floor Self

Quality Certificates:

Manufactured according to TS EN 13813



PAINT and paint liners products



0201 LOTTI COLOR CP

1/7 Concentrated Plaster

It is water-based, acrylic copolymer based dense concentrated plaster with high adhesion. It is odorless, builds bridge between the paint and the surface, maximizes the adhesion of the paint to the surface. It significantly reduces the paint consumption and is eco-friendly.



Places of Usage

- It is applied on very absorbent surfaces and/or surfaces with dusting behaviour such as plaster, limewash, low quality absorbent plastic painted surfaces that have lost their properties, aerated concrete etc.

Features / Advantages

- It is odorless, builds bridge between the paint and the surface, maximizes the adhesion of the paint to the surface, reduces the absorbency of the applied surface, prevents early drying of the paint, prevents color fluctuations that may occur on topcoat paint on surfaces with different absorbency. It significantly reduces paint consumption. It has high penetration and is eco-friendly.

Application Directions

a) Surface Preparation:

It is applied on very absorbent surfaces and/or surfaces with dusting behaviour such as plaster, limewash, low quality absorbent plastic painted surfaces that have lost their properties, aerated concrete etc.

b) Application Method:

Surfaces that **0201 Terma Color CP** will be applied must be dry, clean and self-supporting. After sandpapering on plaster and similar surfaces, after removing dust of the surface with a wet cloth/wet car wash brush, twig broom, plaster application should be started.

0201 Terma Color CP can be applied by brush or roller after the required dilution (1 scale **0201 Terma Color CP** + 7 scales water mixture). The surface temperature during application should be between +5°C and +30°C. The surface must be protected from frost during plaster application and drying. Paint should be applied at least 4 hours after **0201 Terma Color CP** application. It should be applied without combing/polishing with brush or roller (By touring one tour with roller around surface in one direction). It is not recommended to use the plaster by diluting or combing with less water, especially for insulation purposes, and to use it on glitoline paste or solvent based primer and paint.

Issues to be Considered

- A glassy layer should not be formed on the surfaces where **0201 Terma Color CP** is applied.
- The glassy layer must be removed from the surface by sandpaper or mechanical means and the surface should be delustered. Otherwise, stripping, cracking, blistering, roll marks and covering problems may occur.
- It should be applied in such a way that it does not form a film layer on the surface. It is not recommended to use on non-absorbent surfaces with dusting behaviour.
- 1/10-1/12 dilution is recommended on low dusting surfaces (When you touch your hand on surface, if superficial dust comes to your hand, it can be said that it is a surface with little or no dusting behaviour, if you have excessive whitening-dusting, it is a surface with a lot of dusting behaviour).
- After application, equipments should be cleaned with water. Never apply by Airless (spraying) method and should never be used without diluting.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0201 Terma Color CP** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

It varies between 15-25 ml/m² in one layer according to the type, absorbency and structure of the application surface. 40-65 m² area may be primed with 1 liter in one layer. Controlled sample work should be performed for exact consumption.

Package

In 20 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------------|--------------------|
| Material structure resin dispersion | Modified synthetic |
| Appearance | White liquid |
| Density | Appr. 1,10 kg/l |
| Service Temperature | -20°C - +80°C |
| Temperature of Surface to be Applied | +5°C - +35°C |
| Drying Time | 1 hours |
| Second Layer Application Time | 2 hours |
| Max waiting time after application | 48 hours |
| Other Applications | 2 hours |



0202 LOTTI COLOR SP

Silicone Interior Wall Plaster

It is a silicone added, acrylic copolymer based plaster which is produced with high viscosity in accordance with the interior walls.



Places of Usage

- It is used as a plaster on concrete, parget and similar raw walls and interior surfaces before all top coat interior wall paints.

Features / Advantages

- It has high adherence power.
- Matte, white color with superior covering power.
- It provides a strong adhesion between the surface it is applied and the coatings thanks to its natural fillings.
- It prevents dirt and stains on the application surface from reaching the coating surface.
- It hardens the application surface, may be applied by roller or brush.

Application Directions

a) Surface Preparation:

The application surface should be solid, carrier, dust-free and dry. The surface should be thoroughly cleaned of any oil and paraffin residues that may weaken the adherence.

b) Product Preparation:

0202 Termacolor SP is mixed thoroughly by diluting with 15-20% water before application and applied directly to the surface without dilution. Very good mixing should be done during diluting.

c) Application Method:

It is applied to the surface by roller or brush. The process is repeated on very absorbent surfaces. After the drying test, other processes are started.

Issues to be Considered

- Use the product while wearing gloves; Avoid direct contact with skin and eyes.
- It should not come into contact with reactive metals, bleach (bleach), ammonia and bases. Please refer to the Safety Data Sheet for more information.
- Ambient should be well ventilated during application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0202 Termacolor SP** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Approximate consumption value: 150-250 gr/m². (It may vary depending on absorbency, roughness and type of surface to be used.)

Package

In 20 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------------|--------------------|
| Material structure resin dispersion | Modified synthetic |
| Appearance | White liquid |
| Density | Appr. 1,10 kg/lt |
| Service Temperature | -20°C - +80°C |
| Temperature of Surface to be Applied | +5°C -+35°C |
| Drying Time | 1 hours |
| Second Layer Application Time | 2 hours |
| Max waiting time after application | 48 hours |
| Other Applications | 2 hours |



0203 LOTTI COLOR S

Satin Plaster Primer

It is an acrylic emulsion based, ready-to-use transparent primer that prepares plaster surfaces for painting. It is used as emulsion based paint primer on porous, with high suction and/or weak mineral surfaces such as satin plaster, gypsum board, putty.



Places of Usage

• It is applied on very absorbent surfaces and/or surfaces with dusting behaviour such as plaster, limewash, low quality absorbent plastic painted surfaces that have lost their properties, aerated concrete etc.

Features / Advantages

- Thanks to its high penetration and strong binding properties, it prevents the absorbency of the plaster surface and allows the paint to integrate with the surface. It prevents early drying and provides economy by reducing paint consumption. **0203 Termatect Color S**, which greatly improves the performance of the paint, makes plaster surfaces which are problematic surfaces in the paint ideally ready for painting.
- **0203 Termatect Color S** is safely used for priming process before painting on all absorbant surfaces with high dusting behaviour.

Application Directions

a) Surface Preparation:

Surfaces that **0203 Termatect Color S** will be applied must be dry, clean and self-supporting. After sandpapering on plaster and similar surfaces, after removing dust of the surface with a wet cloth/wet car wash brush, twig broom, transparent plaster application should be started.

b) Application Method:

Surfaces that **0203 Termatect Color S** will be applied must be dry, clean and self-supporting. After sandpapering on plaster and similar surfaces, after removing dust of the surface with a wet cloth/wet car wash brush, twig broom, plaster application should be started. **0203 Termatect Color S** can be applied by brush or roller without dilution. The surface temperature during application should be between +5°C and +30°C. The surface must be protected from frost during plaster application and drying. Paint should be applied at least 6 hours after **0203 Termatect Color S** application. It should be applied without combing/polishing with brush or roller (By touring one tour with roller around surface in one direction). It is not recommended to use the plaster by combing especially for insulation purposes, and to use it on glitoline paste or solvent based plaster and paint.

Issues to be Considered

- A glassy layer should not be formed on the surfaces where **0203 Termatect Color S** is applied. The glassy layer must be removed from the surface by sandpaper or mechanical means and the surface should be delustered. Otherwise, stripping, cracking, blistering, roll marks and covering problems may occur.
- Plaster should be applied in such a way that it does not form a film layer on the surface.
- It is not recommended to use on non-absorbent surfaces with dusting behaviour. Bu tarz yüzeylerde Macun astarı uygulanması önerilmektedir. 20% dilution is recommended on low dusting surfaces (When you touch your hand on surface, if superficial dust comes to your hand, it can be said that it is a surface with little or no dusting behaviour, if you have excessive whitening-dusting, it is a surface with a lot of dusting behaviour). After application, equipments should be cleaned with water. Never apply by Airless (spraying) method.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0203 Termatect Color S** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

It varies between 80-125 ml/m² in one layer according to the type, absorbency and structure of the application surface. 8-12.5 m² area may be primed with 1 liter in one layer. Controlled sample work should be performed for exact consumption.

Package

In 10 lt plastic jerrycans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|--------------------------------------|--------------------|
| Material structure resin dispersion | Modified synthetic |
| Appearance | White liquid |
| Density | Appr. 1,10 kg/lt |
| Service Temperature | -20°C - +80°C |
| Temperature of Surface to be Applied | +5°C -+35°C |
| Drying Time | 1 hours |
| Second Layer Application Time | 2 hours |
| Other Applications | 2 hours |



0204 LOTTI COLOR RP

Transition Primer

It is acrylic copolymer emulsion based, water based, white pigmented, transition primer to water based paints.



Places of Usage

- For indoor use only. It is recommended to be applied to fluent and smooth sub surfaces in order to provide appearance properties.

Features / Advantages

- It is covering primer that can be diluted with water and does not have any unpleasant odor. Under indoor water or solvent based topcoats, it is especially used in water based paint applications on solvent based paint. It reduces the absorbency on the applied surface and strengthens the closure of the topcoat. Provides smooth prof sub-surface preparation for top coat, reduces topcoat consumption.

Application Directions

a) Surface Preparation:

Surfaces to be newly painted; Surfaces which **0204 Terma Color RP** will be applied should be free from oil, dust, etc. with detergent water or wiping. Dry, dust-free, clean surface is ready for **0204 Terma Color RP** application. Old painted surfaces; Old, swollen, loose paints should be removed by scrapping from the surface. In order to eliminate level differences on the surface, local puttying should be applied with putty, the entire surface, especially the level differences in the puttied areas, should be smoothed with sandpaper. Sandpaper dust must be removed from the surface. The application surface should be dry. **0204 Terma Color RP** is applied for 1 layer in order to reduce the topcoat paint consumption to the old painted surfaces which are previously painted with water or solvent based paint, polluted or wanted to be changed for decorative purposes

b) Application Method:

Recommended application tools are Roller, brush. The shorter the piles of your roller, the smoother the surface. When a long pile roll is used, a light pattern is formed on the surface. Its diluent, it should be diluted with water. Diluting amount max.10% (Excessive thinning may cause covering problems.) Recommended topcoat paints, Water based topcoat indoor paints. Application; Recommended application tools are Roller, brush. The shorter the piles of your roller, the smoother the surface. When a long pile roll is used, a light pattern is formed on the surface. Its diluent, it should be diluted with water. Diluting amount max.10% (Excessive thinning may cause covering problems.) Recommended topcoat paints, Water based topcoat indoor paints.

Issues to be Considered

- Before use, the paint should be mixed in the box until it becomes homogeneous.
- In applications under +5°C below +35°C, surface problems may occur.
- Application should be made according to the specified application properties.
- Transition Primer should not be diluted with water more than 10%
- Should be waited 24 hours for topcoat application.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0204 Terma Color RP** can only be removed mechanically from the surface after hardening.

Storage

It should be stored at 5°C -35°C in dry, well-ventilated environment, away from heat surfaces and direct sunlight. Harmful dust and/or fume may be generated when sandblasting and burning are applied to painted surfaces. Work in well ventilated areas. Use appropriate personal protective equipment when necessary. Safety data sheet for detailed information is available upon request.

Consumption

In one layer, 0.060-0.080 L / m²

Package

In 20 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

| | |
|-----------------------------|-------------------------------------------------------------------|
| Appearance | Semi-matt appearance, covering primer |
| Chemical Structure | Acrylic co-polymer, Latex |
| Consumption (Practical) | 0.060-0.080 L/m ² in one layer |
| Coating Power (Theoretical) | 15 L/m ² in one layer (28±5 micron dry film thickness) |
| Topcoat Paint Application | Wait for 24 hours for topcoat application. |
| Colour | White |
| Recommended Application | |
| Layer | 1 kat |



0301 LOTTI COLOR C

Ceiling Paint

It is acrylic copolymer binder based, matt, indoor ceiling paint. It can be used safely for decorative and protective purposes on all kinds of interior surfaces such as primer, plaster, concrete and eternit.



Places of Usage

• It is preferred to use on satin plaster, pasted, sheetrock surfaces and old painted/plastered interior ceiling surfaces which have not dusting behaviour.

Features / Advantages

• **0301 Terma Color C** is a specially formulated ceiling paint with ideal opacity, smooth appearance, optimum whiteness and maximum covering power. It integrates with the applied surface. It does not swell and spill. It provides labor saving thanks to its spreading power during application and has high breathing ability.

Application Directions

a) Surface Preparation:

The application surface should be free from all kinds of dirt, dust, form oil and loose layers and should be made solid, dry, clean and self-supporting. Setting time should be waited on concrete, exposed concrete and new plastered surfaces (28 days), loose plaster particles must be removed from the surface by scraper or similar methods. Necessary surface correction and repairs should be done. Do not apply directly on lime. Care should be taken that the ambient and surface temperatures are between +5°C and +30°C during the application and product drying time.

b) Product Preparation:

It is recommended to apply in two coats by diluting 20% with clean water in brush and roller applications.

c) Application Method:

Pressure in Airless Spray: 120-140 bar Nozzle Angle: 50° Nozzle Size (inch): 0.019" Diluting: 10% Drying Time (at 20°C, 65% HR) Touch dry: 1 hour Waiting time between coats: 6 hours Final drying: 24 hours (Drying time may be extended higher relative humidity and lower temperature).

Issues to be Considered

- Use the product while wearing gloves; Avoid direct contact with skin and eyes.
- It should not be in contact with reactive metals, bleach (bleach), ammonia and bases. Please refer to the Safety Data Sheet for further information.
- During application, the environment should be well ventilated.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0301 Terma Color C** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It can be stored for 12 months in its unopened package in a cool and dry place protected from frost and direct sunlight. Close the lid of the package immediately after use so that it does not breathe.

Consumption

It varies between 120-180 gr/m² in one layer according to the type, absorbency and structure of the application surface. 5.5-9 m² area may be painted with 1 kg in one layer. Controlled sample work should be performed for exact consumption.

Package

In 20 kg, 10 kg, 3,5 kg plastic buckets.

TECHNICAL SPECIFICATIONS

(23 °C ve %50 Bağıl Nem)

GENERAL INFORMATION

| | |
|--------------------------|-------------------------------------------|
| Binder | Acrylic copolymer |
| Viscosity, 25 °C | 1,21 |
| pH | 8.00-9.00 |
| Solid Matter (by weight) | % 58-60 |
| Brightness, 85 | 7±2 |
| Recommended Layer Number | Two layers |
| Coating Capacity | 0.085-0.10 lt/m ² (One layer) |
| (Pratik) | 0.125-0.150 kg/m ² COne layer) |
| Drying Time (20 °C) | Drying 2-3 hours, Full drying 24 hours |
| Diluent | 20% (with water-by volume) |



CONSTRUCTION SITE
auxiliary products



0401 LOTTI CLEAN JC

Joint Cleaning Product

It is an acid-containing liquid cleaning material used to remove stains and dirt formed in groutings and joints of coating materials.

Places of Usage

- Indoor and outdoor,
- Horizontal and vertical surfaces,
- In groutings and joints of matt coating materials,
- Since it is an acid containing and abrasive, it is used in grouting and jointing of bright coating materials by setting up tape considering that it may overflow to the joint edges.

Features / Advantages

- Thanks to its acidic content, it cleans easily the residues that do not come out with normal cleaning materials.
- The active ingredients are 90% recyclable.

Application Directions

a) Surface Preparation:

Since the material is acidic, a small area is tested before application to check whether the coating material is acid-resistant. In such cases, tape will be set to the joint edges as the coating material will be damaged. Before the application, the surface should be mechanically cleaned and dust-free.

b) Application Method:

0401 Clean JC Joint Cleaner is applied without dilution. After turning the spray nozzle to the open position, the product is sprayed into the dirty area. Wait 1-2 minutes for the material penetrate to surface. The joint gaps are then cleaned by pressing with a suitable brush or cloth. When cleaning is finished, the surface is cleaned with water and rinsed.



Issues to be Considered

- Acid-resistant plastic gloves must be worn.
- It should be worked only between the joints and should not spread on ceramic and tile surfaces during application.
- Avoid contact with metals. Not suitable for acid-affected surfaces such as acrylic, wood, etc.
- While using on non-acid-resistant coating materials, polished and glazed surfaces, and polished marble and granite surfaces, the tape should be set up to prevent it from moving out of the joint gaps.
- No other cleaning agents and bleaches should be added to the product.
- Care should be taken not to mix with drinking water and groundwater.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0401 Clean JC** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

It varies according to the width of the joint gaps and the contamination of the surface.

Package

In 500 ml spray packages.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life Light green transparent liquids
12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+35 °C)
Liquid Density 1,00-1,10 kg/lit
pH ~1



0402 LOTTI CLEAN CC

Cement Waste Cleaner

It is an acid-containing liquid cleaning agent for cleaning the residues of cementitious mortar, paint, gypsum and grouting on the surface of acid-resistant coating materials.



Places of Usage

- Indoor and outdoors,
- Horizontal and vertical surfaces,
- After application, it is used for cleaning of tiles, ceramics, granite ceramics, clinker, kotto, rustic flooring, matt natural stone and artificial stone floors.
- It is corrosive since it contains acid. It should not be used on natural granite, marble, natural stone or special glazed mosaic floors and metals as it will remove its brightness.

Features / Advantages

- Thanks to its acidic content, it cleans easily the residues that do not come out with normal cleaning materials.
- The active ingredients are 90% recyclable.

Application Directions

a) Surface Preparation:

Since the material is acidic, a small area is tested before application to check whether the coating material is acid-resistant. Otherwise, the coating material may be damaged.

b) Application Method:

It can be used by diluting with 1/1 to 1/3 water depending on the amount of residue. 0402 Terma Clean CC Cement Waste Cleaner is poured over the cement residue and is penetrated until the cement residue becomes moist and wet. Wait for 5-10 minutes to dissolve the material adhering to the surface. Loose residues is removed from the surface by means of a plastic construction brush or a damp cloth that will not damage the surface. The dirty water formed on the ground should be taken to a bucket with sponge. Then the surface is cleaned with water and rinsed.

Issues to be Considered

- Acid-resistant plastic gloves must be worn.
- It should not be used on non-acidic coating materials, polished and polished surfaces and polished marble and granite surfaces. If necessary, trial should be done in a small area before.
- Should not be used for oil cleaning purposes.
- No other cleaning agents and bleaches should be added to the product.
- Care should be taken not to mix with drinking water and groundwater.
- Avoid contact with cement based joint sealant.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0402 Clean CC** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

It may vary according to pollution and usage rate. 10-50 m² area may be cleaned with 500 ml product.

Package

In 500 ml spray packages.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life Light blue transparent liquids
12 months in unopened package in dry environment

APPLICATION INFORMATION

Application Temperature (+5 °C) - (+35 °C)
Liquid Density 1,00-1,10 kg/l
pH ~1



0403 LOTTI CLEAN BC

Antibacterial Solution

It is a cleaner biological solution against organic formations formed on mineral surfaces on indoor and outdoor surfaces such as mold, fungus and moss.



Places of Usage

- It is used for cleaning of organic formations on all mineral based indoor and outdoor facades.
- Indoor and outdoor,
- Horizontal and vertical surfaces,
- Bright or matt surfaces,
- Parquet and lamparquet floor,
- It is used for cleaning stubborn stains such as oil, coffee, tea, ink, wine and fruit juice that may occur on the coating materials such as ceramics, granite ceramics, clinker, kotto, natural stone, marble and granite.

Features / Advantages

- Since it has basic content, it can be used easily on sensitive surfaces.
- It may be used by spreading all over the surface.
- The active ingredients are 90% recyclable.

Application Directions

a) Application Method:

The surface should be wiped with a wet cloth before application. Depending on the amount of stain, it can be used by diluting with 1/1 to 1/5 water. The diluted product can be applied to the surface in 2 ways.

Manual Cleaning:

0403 Clean BC is spread with a brush over 2 m² of the area to be cleaned. Wait 2-3 minutes and allow the product to penetrate on the surface and wipe off the dirty liquid with a cloth.

After the whole application area is cleaned, if necessary, second coat application is done by diluting **0403 Clean BC** with less water and spreading directly onto the stains and dirt. Afterwards, the surface should be cleaned with water and rinsed again.

Machine Cleaning:

0403 Clean BC is spread with a brush over 4 m² of the area to be cleaned. Waiting for 2-3 minutes, the product is allowed to work on the surface and the dirty liquid on the surface is wiped away by machine.

After the whole application area is cleaned, if necessary, second coat application is done by diluting **0403 Clean BC** with less water and spreading directly onto the stains and dirt. Afterwards, the surface should be cleaned with water and rinsed again.

Issues to be Considered

- Plastic gloves should be used.
- The mixture should not be used on lamparquets, unglazed ceramics, unpolished parquet surfaces and glass surfaces without dilution with water.
- It should not be used on aluminum surfaces or articles.
- No other cleaning agents and bleaches should be added to the product.
- Care should be taken not to mix with drinking water and groundwater.

Cleaning of Tools:

Tools and equipment used should be cleaned with water after the application. **0403 Clean BC** can only be removed mechanically from the surface after hardening.

Security Warnings

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

Storage

It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from the date of production if proper storage conditions are met. Opened packages should be kept tightly closed and stored under proper storage conditions and should be used within one week.

Consumption

Approximately consumption value: 20-100 gr/m². (Depending on the type and amount of stains.)

Package

In 10 lt plastic jerry cans.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE

Shelf Life: Transparent liquid
12 months in unopened package in dry environment

APPLICATION INFORMATION

Brightness: Matt
Viscosity: 200- +100 cP 25 °C
Density: 1.00- +0.05 gr/cm³
pH: 8-10
Solid Material: 2-3 %
Drying Time: 6 hours

LOTTIFIX PACKAGE TABLE

| POWDER GROUP PRODUCTS | | | PLASTIC BUCKET GROUP PRODUCTS | | | PLASTIC JERRYCAN GROUP PRODUCTS | | |
|-----------------------|--------------|------------|-------------------------------|--------------|--------------|---------------------------------|--------------|--------------|
| Packing | Palette / Q. | Palet / kg | Packing | Palette / Q. | Palette / kg | Packing | Palette / Q. | Palette / lt |
| 5 kg | 200 Quantity | 1.000 kg | 3,5 kg | 200 Quantity | 700 kg | 5 lt | 96 Quantity | 480 kg |
| 20 kg | 80 Quantity | 1.600 kg | 5 kg | 100 Quantity | 500 kg | 6 lt | 42 Quantity | 252 kg |
| 25 kg | 64 Quantity | 1.600 kg | 10 kg | 48 Quantity | 480 kg | 10 lt | 48 Quantity | 480 kg |
| 35 kg | 50 Quantity | 1.750 kg | 12 kg | 36 Quantity | 432 kg | 20 lt | 36 Quantity | 720 kg |
| | | | 18 kg | 36 Quantity | 648 kg | 30 lt | 36 Quantity | 1080 kg |
| | | | 20 kg | 36 Quantity | 720 kg | 180 lt | 4 Quantity | 720 kg |
| | | | 21 kg | 36 Quantity | 750 kg | 1000 lt | 1 Quantity | 1000 kg |

QUALITY EXPLANATIONS



CE marking is a sign that if the products are used in accordance with their purpose, they will not harm the environment with human life and property, the presence of plants and animals, in other words, the product is a safe product. Indicates that industrial products are produced in accordance with the relevant technical regulations and that such conformity is verified by the manufacturer or notified bodies. CE Certificate shows compliance with European Union requirements. This standard is a must for all construction materials in the EEA (European Economic Area-European Economical Area).



G is a sign attached to the packaging or related commercial documents, indicating that the building products are produced in accordance with the national technical specifications and that they meet all the provisions of the regulation by considering the conformity verification system.

TS EN 12004 Ceramic Adhesive Standard

According to the new adhesive standard TS EN 12004, which is renewed within the framework of European Union harmonization laws, adhesives are divided into various classes according to their technical performance. Thanks to these classifications, the products are differentiated from each other in terms of their properties. Thus, the selection of consumers is facilitated in order to use the right product for the correct application. TS EN 12004 defines the workability, non-slip, wettability, open time strength and strength tests for different adhesives. The TS EN 12004 standard combines product specifications with a single standard that is recognized throughout Europe.

Meaning of Abbreviations

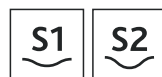
C : Cement Based
D : Dispersing (Acrylic) Based
R : Resin Based
1 : Standard Performance
2 : High Performance
T : Reduced Slip Feature
E : Extended Working Time
F : Quick-Start Field

TS EN 12002 Cement Based Ceramics Adhesive Elasticity Standard

The requirements for flexibility classes of adhesives are determined by the test method defined in the TS EN 12002 standard. According to the new flexibility classification, the S1 deformability refers to the adhesives larger than 2.5 mm and S2 is larger than 5 mm.

Meaning of Abbreviations

S1: Flexible
S2: Very Flexible



The requirements for flexibility classes of adhesives are determined by the test method defined in the TS EN 12002 standard. According to the new flexibility classification, the S1 deformability refers to the adhesives larger than 2.5 mm and S2 is larger than 5 mm.

TS EN 13888 Joint Filler Standard

Joint fillers are defined by this standard under European Standards. Termatect grouting products are certified according to TS EN 13888 and are manufactured in accordance with these standards.

Meaning of Abbreviations

CG : Cement Based Joint Filler
RG : Reaction Resin Based Grouting
1 : Standard Performance
2 : High Performance
W : Reduced Water Absorption
A : High Wear Strength

TS EN 1504-2 For Concrete Structures Surface Protection Systems

Surface Protection Systems and Products for concrete structures are defined by this standard. Termatect Waterproofing Products are certified according to this standard and are manufactured according to this standard. One of the most important reasons for damaging concrete structures and their reinforcements is the water that works inside the building. Water entering into concrete causes freezing dissolution cycles to form cracks in concrete structures, to grow existing capillary cracks and to corrode to metal reinforcements and cause weakness. Because of these effects, protection of concrete structures from water is very important. The chemical properties, amount and duration of the water to which the concrete structure will be exposed are of great importance in determining the properties of the protection system to be used.



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