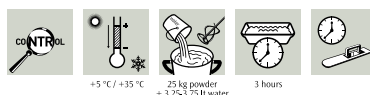




Non-shrink grout mortar with high resistance and high fluidity



- High adhesion and durability after a short time of application
- Non-shrink, water impermeable, high resistance and high fluidity

DESCRIPTION

• Non-shrink, cement-based grout mortar with high resistance and high fluidity as well as resistance to climactic conditions.

AREAS OF USE

• Suitable for use in external and internal areas in steel constructions and pre-fabricated buildings subject to dynamic impacts and requiring high resistance, assembly bases of machinery and cranes, base sockets, curtain wall and column heads, and fixation of steel columns to the base.

FEATURES

Material content: High quality cement, additives providing pressure strength, flexibility, quick-setting and improved adhesion, thick filling materials.

Type : Powder
Color : Grey
Density : 1,3 gr/cm³

APPLICATION PROPERTIES

Mixture rate : 3,25-3,75 lt water / 25 kg powder
Pot life : Approximately 30 mn.
(Varies according to temperature.)
Application thickness : Min. 10 mm, Max. 70 mm
Waiting time between layers : 3 hours
Set time (for light pedestrian traffic): min 24 Hours (20 °C)
Final set time : 28 days (23 °C, 50% relative humidity)

TECHNICAL PERFORMANCE

Compressive strength : >60 N/mm² (After 28 days)
Bending strength : >7 N/mm² (After 28 days)

APPLICATION SURFACES

- Suitable for application on cement-based screed, concrete substrates and pre-fabricated concrete in interior and exterior floors.
- Please consult us for all other application surfaces.

SURFACE PREPARATION

- The application surface should be clean and clear of any dirt, dust, grease or any contaminating barrier and weak particles.
- The application mould should be fixed, impermeable and totally clean.
- If application is to be made on existing concrete, the surface should be moistened prior to application. Small water accumulations should be avoided.
- Sufficient material should be prepared according to the working period.

MIXING

- Gradually add 3,25-3,75 lt (13-15%) of clean water to 25 kg of powder, and mix to a smooth and homogenous viscous compound. It is recommended to use a low cycled electrical drill mixer for mixing.
- The compound should rest for 2 minutes prior to application and should be applied then.

APPLICATION CONDITIONS

- The compound should be used at an ambient temperature range of +5 °C - +30 °C.
- Application surface temperature must be above 5 °C. The surface should have no risk of freezing.
- Application on hot surfaces and during sunny and/or windy weather is not recommended.

APPLICATION

- Pour one **CERMIGROUT** bag of 25 kg into a container with approximately 3,25-3,75 liters of clean water slowly and mix it with a hand mixer in low speed for about 3-4 minutes until a homogenous mixture is acquired. Avoid adding water to hardening mortar.
- **CERMIGROUT**, which is in fluid construction, should be poured from one side of the preliminarily prepared mould without interruption. In that manner, air compression shall be avoided.
- In order to ensure that all the gaps inside the mould are filled, a steel wire should be bent to form a hook and settlement should be duly performed. Vibrators should not be used in any manner.
- Large surfaces subject to outer air conditions should be protected from sunlight and wind by covering with a curing blanket for 48 hours.
- Tools and equipment should be cleaned with water when the material is still fresh after application.
- The aforementioned durations are valid for 20 °C surface and ambient temperature. The duration shall be extended in lower temperatures and shortened in high temperatures.

PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add more or less water into the mixture than it is specified on the technical legends on the product packaging or technical data sheets.
- Do not add more water into the mixture once the mixture is prepared.
- Do not apply the compound directly onto the existing ceramic tiles and metal, plastic, PVC or wooden substrates. Please consult technical service for solutions.

CONSUMPTION

- The approximate consumption amount (kg/m²) may vary depending on the application surface deviation: 1,9 kg/m² (for 1 mm layer thickness)

STORAGE AND SHELF LIFE

- When stored unopened in a cool, dry place at temperatures above 5 °C, shelf life is 6 months from date of manufacture. Production date and charge number is displayed on the packaging.
- The products should not be stored in damped or submerged warehouses. At maximum 10 craft sacks should be overlaid for storage.
- When not used, opened packages should be closed tightly to avoid air contact.



HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- Keep the product out of the reach of children.

Note: The initial controls of our product are made during the production phase. We guarantee the stability of our products' quality. All recommendations and instructions on the technical sheet are generally based on our experience. Please contact us for applications on special surfaces not mentioned in the technical sheet. Our company reserves the right to update the information on the technical sheet in the case of technical necessities without prior notice. This new catalogue supercedes the previous editions.