

Technical Data Sheet

ONDUFIX 250 Tixotropic Grout Mortar

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Product Definition

A cement-based, one component, non-shrink, high strength grout mortar in plastic consistency.

Composition: A cement-based, one component

- ONDUFIX 525 ●
- ONDUFIX 3025 ●
- ONDUFIX 200 ●
- Fluid
- ONDUFIX 250 ●**
- Tixotropic ●**

Technical Data

Appearance	Grey colored fine powder
Powder Density	~1,45 kg/lt
Mixture Rate	3,9 lt water / 25 kg powder
Resting Period	5-10 minutes
Pot Life	~45 minutes
Application Temperature	Between +5°C and +35°C
Bonding strenght	≥ 2 N/mm ² (EN 1542) (28 days)
Bending strenght	N/A
Compressive Strength	1 day : ≥ 30 N/mm ² (EN 12190) 7 day : ≥ 50 N/mm ² (EN 12190) 28 day : ≥ 60 N/mm ² (EN 12190)
Application Thickness / every Layer	Min. 10 mm, Max. 50 mm
Walk-on Time	24 hours
Class of dangerous goods	Not classified as dangerous goods during the transportation

Accessories:

Steel trowel and spatula

Packaging:

Package Set : 25 kg kraft bags

Storage – Expiry date

Protect from direct sun light, rain and frost. Can be stored for 12 months in its unopened original packages in dry places.

Where to use and Properties

It can be used for,

- Repairs where early high strength is required
- Repairs of concrete construction elements and floors
- Repair of segregated concrete
- Applications of horizontal and vertical levels
- Filling the gaps between new and early concretes
- Filling the gaps around the pipe and its element
- Filling tie-rod holes and core cavities of all kind of buildings
- Does not shrink. In thixotropic consistency
- Provides high compressive strength
- Resistant to impacts and vibrations
- Provides high adherence to concrete and reinforcement
- Resistant to water and moisture
- Does not contain corrosive materials
- Mixed only with water, easy to apply.

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General Application Steps of ONDUFIX 250 Tixotropic Grout Mortar

1. The application surface must be well cured. The application surface must be clean and sound.
2. Application surface must be cleaned from materials such as dust, oil, earth pitch, paint, silicon, curing material, detergent and molding oil which prevent bonding.
3. The application surface must be saturated with water and must be kept dampy during the application. However excess water should be removed completely from the application surface
4. Put 3,90 litres of clean water in a clean pot. Add half of the 25 kg of ONDUFIX 250 into the water and stir preferably with a low speed (400-600 cycle/min) mechanical mixer until there are no lumps. Add the rest of the powder and stir minimum 5 minutes and then 12,2 litres of mortar is obtained. The prepared mortar must be used within 30 - 45 minute according to the weather conditions, temperature and humidity.
5. In molded applications, it must be ensured that the molds are solid to prevent leakage during the placement and curing of the mortar. The application area should not be exposed to vibration until the mortar gets hard. If the expansion force of the mortar is to be used at the maximum level, the mortar should be placed in a rectangular space-mold- with vertical edges. The minimum acceptable thickness is 6 mm. If it is decided to be used as a coating, the maximum recommended thickness is 50 mm. If ONDUFIX 250 thickness is more than 50 mm, can be applied in layers (Do not apply the other coat without curing inside each layer)
6. The ONDUFIX 250 mortar is continuously poured from one side to prevent air compression into the mold, with a thickness of 10 mm to 50 mm on each layer. For thicker applications, the second layer is applied in the same way after the first layer is cured. It should not be vibrated and should be placed with a steel wire. The molds can be removed after about 24 hours. After the application, the curing process should be started immediately. Deficiencies in curing may reduce the initial expansion required to compensate for subsequent shrinkage.

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Fluid
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ONDUFIX 250 Tixotropic Grout Mortar Consumption

Product	Consumption
ONDUFIX 250 Tixotropic Grout Mortar	For 10 mm thickness 20 kg/m ²

ONDUFIX 250 Tixotropic Grout Mortar Warnings – Health and Safety

1. Avoid application in temperatures below +5°C and above +35°C.
2. Special attention must be given to water mixing rates during the preparation of the mortar. It must be mixed with a low speed mechanical mixer, do not mix manually.
3. If the temperature is below +8°C, the application surface must be covered and the mortar should be kept above +8°C
4. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
5. Do not add water or ONDUFIX 250 Tixotropic powder to the expired mortar.
6. When application is finished, keep the surface dampy until the mortar cured.

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storage. According to the occupational health and safety rules ; working suits, protective gloves, glasses and masks should be use during the application. If swallowed by accident, consult a doctor. In case of get in touch with skin, rinse with plenty of water. Must be stored out of reach of children.