

REC REPAIR M-325

Non shrink mortar for repair

PRODUCT

Rec Repair M-325 is a pre-mixed, polymer-modified cementitious non shrink mortar giving high performance at plastic consistency. Supplied as a ready to use dry powder. It requires only the addition of water to produce a non-shrink mortar for repair.

PROPERTIES

- No metallic content
- Avoids corrosion and stops rust
- Composition allows early strength development

SCOPE OF USE

Rec Repair M-325 can be used in different situation where shrinkage is undesirable.

- Repair of concrete surface
- Repairs to pre-cast concrete
- Filling blow holes
- General reprofiling over large areas
- Fill superficial cracks in concrete and plasters

CHARACTERISTICS	
Appearance	Grey or white powder
Grain size	up to 0.8mm
Bond strength (BS 1881 part 207)	>0.5 N/mm ²
Flexural strength BS EN 196-1 28 days	4 N/mm ²
Compressive strength BS EN 12190 28 days	>20 N/mm ²
Curing	Air cured according to ASTM C1439
Thickness	3 to 20mm in one layer & from 2mm for local small applications

* Results obtained at 18% water under lab condition at 22°C±1 in Lebanon.

* Properties listed above are only based on controlled laboratory samples and tests: Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

APPLICABLE STANDARDS

ASTM C 1439
BS 1881 part 207

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

The substrate should be sound, clean, free from any dust, wax and oils. Dust should be removed and the substrate should be moistened. Substrates should not be overheated or frozen.

PRODUCT PREPARATION AND APPLICATION

The paste is obtained by mixing a 50 kg with 7 to 9 liters of water manually or in a suitable mixer. After mixing, the paste should be left to rest a few minutes before use. The paste can then be applied with a trowel. After finishing, keep the surface moisten or immediately apply a curing compound Rec Repair E-4 as soon as application is finished.

Ideal application temperature is between +5°C and +35°C. If the application temperature is higher than 35°C, make sure to use cool water to keep the mixed grout temperature below 30 °C.

CURING

After application, cure the exposed surface by spraying cool water (not salt water) for 3 days, 3 to 4 times daily, or by using a curing compound like Rec Cure E-4

YIELD

Approximately 24L/50kg bag.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.



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DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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