

REC REPAIR M-335

Epoxy mortar for lining and repair

DESCRIPTION

Rec Repair M-335 is a trowel able three components, shrinkage- free epoxy mortar. It is mainly used for its high bonding power and mechanical strength. The material will give excellent chemical and abrasion resistance for concrete and similar substrate. Rec Repair M-335 adheres to all building materials: iron, concrete, bricks, It has a high chemical resistance to: Petroleum, oil, grease, diluted acids, alkalis, solvents and salty water.

PRIMARY APPLICATIONS

Rec Repair M-335 used in the following fields:

- Manholes lining: adapted consistency for applications over large areas
- Surface repair: concrete surface patching and edge repair
- Horizontal and vertical application up to 10 mm per layer

ADVANTAGES

Water cleanable application tools

- Chemical resistance
- Solvent free
- Resistant to large range of industrial chemicals including acids and alkalis
- High early strength
- Durable: good resistance to abrasion and impact
- Easy application
- Water resistance and waterproofing
- High bond strength
- Non-sagging
- Smooth finish

TECHNICAL INFORMATION

Composition	3 component Resins, Hardner, Silicious Fillers
Pot life	3 hrs. at 25 °C
Compressive strength at 7 days and 23 ± 2°C	> 80 MPa
Flexural strength at 7 days and 23 ± 2°C	> 35 MPa
Tensile Strength at 7 days and 23 ± 2°C	> 15 MPa
Specific density	2.1 ± 0.1

STANDARD

ASTM C579 ASTM C580 ASTM C307 ASTM C413

SHELF LIFE

stored up to 12 months from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures

DIRECTION OF USE

Rec SUBSTRATE PREPARATION The substrate should be dry, free from loose or unsounded pieces, dust, greasy matters or paint. The substrate should be abraded by light brushing, grinding or light sandblasting depending on its quality. When a rough surface is difficult to be obtained, REC Primer should be used to prime the surface, REC PRIMER should be applied while the primer is still tacky, but not before 10 to 20 minutes of primer application.

PRODUCT PREPARATION The product is already delivered in the recommended mixing proportions. Mix the resin (Part A) and the hardener (Part B) manually or with a mechanical low-speed mixer (speed < 300 rpm) in a suitable container until a homogeneous mix is obtained. Then add gradually the filler (3rd component: Part C) to the mixture while mixing thoroughly. The mixing should continue after all the components have been added for approx. 3 minutes to ensure that the product is fully blended and a homogenous mortar is obtained.

PRODUCT APPLICATION Lining: The mixed epoxy mortar should be placed immediately Epoxy mortar for lining and repair after mixing. It can be applied by using a steel trowel. The mortar should be firmly compressed on all surfaces to ensure good compaction and adhesion. On vertical and overhead surfaces, avoid applications over 10 mm per layer since the mixed material may exhibit some sagging. In this case it is recommended to apply 2 or 3 layers making sure that the first layer is rough and dried before the application of any successive layer, and that the additional layer is applied within 24 hours. The setting will occur within 5 hours depending on the temperature. mixed material may exhibit some sagging.

Repair: Apply the mortar with a trowel or by other means on the wall or on the floor. Level it and smoothen it with a trowel or a float. The setting will occur within few hours and its chemical resistance will be fully obtained within 7 to 14 days. After usage, clean tools with WATER. Ideal application temperature is between +5° C and +35° C.

HEALTH & SAFETY

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality

DISCLAIMER

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