



Shrinkage compensated, polymer fibre reinforced, thixotropic repair mortar

DESCRIPTION

RPM 601® is a structural , fine filled, high strength, cementitious mortar, specifically formulated for the repair of damaged concrete where a structural repair is required. The specially selected cements and polymers contained in RPM 601® allow the buildup of 50 mm without slump, and exceptional adhesion to concrete and masonry materials with negligible shrinkage.

ADVANTAGES

- Good Adhesion
- High Strength
- Easy application
- Durable
- Shrinkage compensation - reduces the risk of cracking due to shrinkage and ensures full contact with host concrete and load transfer in structural repair situations
- Extremely low permeability - gives excellent resistance to attack by aggressive elements.

USES

- All types of structural repair which can be applied by trowel or wet spray.
- Repair of structural members subjected to repetitive loading.
- Repairs to reinforced or pre-stressed beams or columns.
- Protection of concrete subject to attack from water containing chlorides and sulphates etc.
- Repairs in industrial areas, especially those containing mineral oils, lubricants.
- Repairs in marine environments.

TECHNICAL DATA

Appearance	grey powder containing micro fine fibres Plastic
density	approx. 2100 kg/m³
Indirect tensile strengt	3.6N/mm² at 28 days (DIN EN 1504-3)
Resistivity approx	12500 Ω cm
Water penetration DIN 1048	< 5mm (Part 5)

COMPRESSIVE STRENGTH

1 day 25 MPa, 7 days 55 MPa, 28 days 60 MPa / DIN EN 1504-3/R4

APPLICATION INSTRUCTIONS

Preparation All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any cracked or weakened concrete should be removed prior to being repaired to provide a solid foundation. Scabbling or water blasting should be used to remove laitance and provide a mechanical key

MIXING

RPM 601® is suitable for mixing using a drill and suitable paddle or by hand where only a small quantity is required. Use 3.0 – 4.0 litres of water per bag of RPM 601® to achieve a smooth, soft mortar consistency. Excess water will reduce the final strength and make application of the render more difficult. Always add the powder to the water while mixing slowly to avoid lumps. Only mix that quantity of material that can be used within the setting time. Do not attempt to rework or retemper any partially set product.





DRYLEX
New Generation Solutions

RPM 601®
TECHNICAL DATA SHEET

APPLICATION

After mixing, RPM 601® can be sprayed or trowel applied.

When applying by hand RPM 601® must be forced tightly into the substrate to ensure intimate contact with the pre-wetted substrate. Levelling and initial finishing should be carried using a wooden or plastic float. Final finishing should be carried out using a steel float.

When the material has stiffened to the point where finger pressure lightly marks the surface, a final firm trowelling should be given using the steel float.

CURING

Good curing is essential. Particular care is required in hot and/or windy conditions. Curing can either be with a single coat of DRYLEX CURE 181 curing membrane, which is compatible with most subsequent protective coatings, or by covering the work with plastic sheet fixed over wet hessian or wet foam rubber.

PACKAGING

- 25 Kg Kraft Bag

STORAGE

Store out of direct sunlight, clear of the ground on pallets, protect from rainfall. Avoid excessive compaction.

SHELF LIFE

24 months when stored as above.

NOTE

Material safety data sheets for these and all DRYLEX products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer

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by agel chemicals

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