



DESCRIPTION

RMS Floor Doctor Rapid is a high strength, trowel applied, two component Epoxy resin mortar, designed for rapid and permanent repairs to concrete and masonry surfaces.

RMS Floor Doctor Rapid is a blend of Epoxy resin, Polyamine curing agent, graded aggregate and colour pigments. The mixed material is applied to a suitably prepared surface, and quickly cures to form a durable, abrasion and chemical resistant repair.

TYPICAL USES

Repairs to spalled or damaged concrete; chemical bunds; bedding pre-cast concrete beams; nosings on expansion joints; floor repairs.

ADVANTAGES

- Pre-packed units – ready to use
- Fast curing characteristics
- Impact and abrasion resistant
- Frost resistant and impervious to water
- Excellent mechanical properties
- Unaffected by a wide range of acids, and industrial chemicals
- Negligible shrinkage
- High bond strength – no primer required.
- Cures under damp, cool conditions

TYPICAL PROPERTIES

Colour: Grey

Density: 2000kg/m³

Pot Life: 40 minutes @ 20°C

Adhesion to concrete: 3.9MPa (concrete failure)

Compressive Strength: 76MPa

Taber abrasion resistance: 40mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)

Maximum Service Temperature: 70°C continuous

PROCEDURE



SURFACE PREPARATION

Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling or bush hammering, to provide a sound, clean, substrate. Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by abrading or grit blasting to remove rust, scale, etc.

PRIMING

Primer not normally required. For exceptionally porous surfaces use RMS Florprime “blinded” with kiln dried silica sand. Allow to cure, vacuum, or sweep off excess silica, when cured.

MIXING

RMS Floor Doctor Rapid is supplied as a two-component pack. Each component is pre-weighed and ready to mix.

The contents of the CURING AGENT should be added into that containing the BASE and the two components thoroughly mixed, by spatula or low speed drill/stirrer, or forced action mixer. **Once mixed, ensure the product is either transferred straight into a scuttle or directly to the floor to reduce the speed of the exothermic reaction.**

PRODUCT DATA SHEET

| FLEXIGRIP PLUS



APPLICATION

Apply the RMS Floor Doctor Rapid by tamping and trowelling to ensure good compaction and a tight finish. The material should not be feather edged. Maximum thickness in horizontal applications is 50mm. For vertical applications use RMS Renderlite

EQUIPMENT CLEANING

Clean equipment with RMS Toolclean prior to curing of the mortar

CURING AND OVERCOATING

RMS Floor Doctor Rapid will have hardened sufficiently after 5-6 hours cure @ 15-20°C to allow full trafficking. Longer periods of cure will be necessary at lower temperatures. Full mechanical and chemical resistant properties will be achieved after 3 days cure @ 20°C. It is preferable to apply a sealer coat if exposure to chemicals is likely. Please contact our Technical Department for specific recommendations.

COVERAGE

A 5kg pack of RMS Floor Doctor Rapid yields 2.5 litres of material, sufficient for 0.5m² @ 5mm thickness. (10kg pack pro-rata).

LIMITATIONS

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°C or less.

HEALTH & SAFETY

Wear gloves and goggles. Wash off splashes immediately with soap and water. Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought. Please refer to Material Safety Data Sheet for additional information.

RMS Floor Doctor Rapid shall be applied strictly in accordance with the manufacturer's instructions.

STORAGE AND SHELF LIFE

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

RMS Floor Doctor Rapid has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

DOCUMENT VERSION

VERSION: 2

DATED: 07/06/2021

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on RM Suppliers' current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).
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