

REC REPAIR M-354

Pre-mixed cementitious paste for fair-face precast repair

PRODUCT

Rec Repair M- 354 is a dry pre-mixed cementitious coating based on hydraulic binders, siliceous filler, water retaining agents and other admixtures. **Rec Repair M- 354** is available in white and light-grey.

SCOPE OF USE

Rec Repair M- 354 is used as a render in one or two coats, to achieve superior fair face smoothness required in the precast concrete industry.

It can be used to fill pinholes prior to over coating, for general repro- filling over large areas, up to 3 mm depth and fairing coat.

Rec Repair M- 354 can be used to fill superficial cracks in concrete.

ASSOCIATED COATINGS

Rec Repair M- 354 can be covered with:

- Texture coatings
- Paints
- Wallpaper

CHARACTERISTICS

Appearance	Cement based powder
Grain size	0 to 0.1 mm
Pull off test, ASTM D 4541	0.5 N/mm ²
Flexural strength-28 days BS EN 196-1	5 N/mm ²
Compressive strength 1 day BS EN 196-1	>10 N/mm ²
Compressive strength 28 days BS EN 196-1	> 20N/mm ²
Curing	Air cured according to ASTM C1439
Minimum thickness per coat	1 mm
Maximum thickness per coat	3 mm
Tensile strength ASTM C 307- 94	
at 7 days	1.3 N/mm ²
at 58 days	2.9 N/mm ²
VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS	None (<10µg/l)

Results obtained at 20 kg bag with 6.2 L water under lab condition at 22°C ± 1

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 D 4541
BS EN 196-1
ASTM C 307- 94

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

The substrate should be sound, clean free from any dust or demoulding products and oils. Roughen the surface to remove any laitance. The surface should be moistened in hot weather. It should not be overheated or frozen.

PRODUCT PREPARATION

The **Rec Repair M- 354** paste is obtained by mixing a 20 kg bag with 6 to 7 litres of clean cool water, using a suitable mixer. The paste should be mixed vigorously until fully homogeneous. Clean tools with water immediately after use. 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 mortar temperature below 30 °C.

PRODUCT APPLICATION

Apply the paste with a steel trowel. It should be allowed to partly set before smoothing. If a very smooth finish is required, a small amount of water may be sprayed on to the surface of the **Rec Repair M- 354** prior to final smoothing.

CURING

Rec Repair M- 354 should be cured with clean water for at least three days by spraying twice a day.

CONSUMPTION

1.3 kg/m² per 1 mm thickness.

YIELD

Approximately 15 L / 20 kg 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.



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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.

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.

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