

REC REPAIR M-333

TWO-COMPONENT CEMENT-BASED CORROSION PROTECTION AND BONDING AGENT

DESCRIPTION

REC REPAIR M-333 is a two-component, polymer-modified slurry with a high degree of alkalinity, used as a corrosion protection for reinforcement steel in concrete. It has good adhesion on steel and concrete and is highly impermeable to water, carbon dioxide, and other acid airborne gases. **REC REPAIR M-333** durably protects reinforcement steel from corrosion.

PRIMARY APPLICATIONS

- Corrosion protection coating for reinforcement steel in concrete repair works.
- Bonding agent between existing concrete/steel and new repair mortar.

FEATURES/BENEFITS

- Two-component, polymer-modified cementitious slurry.
- High degree of alkalinity for effective corrosion protection.
- Excellent adhesion to steel and concrete.
- Highly impermeable to water, carbon dioxide, and other acid airborne gases.
- Complies with EN 1504-7.

TECHNICAL INFORMATION

Composition	Cement-based powder + synthetic polymer liquid
Slurry Aspect	Dark brown paste
Pot Life (25°C)	Approx. 1 hour
Density	1.95 ± 0.1 kg/lit
pH	12.5 ± 0.5
Adhesion (on concrete)	>2 MPa
Corrosion Protection (EN 1504-7)	Pass
Shear Adhesion, coated steel to concrete (EN 1504-7)	Pass
Applicable Standard	EN 1504-7

PACKAGING

- REC REPAIR M-333 Powder – 3 kg
- REC REPAIR M-333 Liquid – 1 lit

DIRECTIONS FOR USE

a. SURFACE PREPARATION

The surface must be clean, dry, and free from greasy matter, oil, or rust. If necessary, rust on reinforcement steel may be removed with a wire brush or by sandblasting.

b. PRODUCT PREPARATION

Pour REC REPAIR M-333 liquid into a suitable container and add all REC REPAIR M-333 powder gradually. Stir carefully with a mechanical mixer until a smooth, homogeneous consistency is obtained. This slurry must be used within its pot life.

c. PRODUCT APPLICATION

Apply the prepared mixture to the clean steel reinforcement by brush. The repair mortar can then be applied onto the still-wet REC REPAIR M-333. Clean tools with water. Ideal application temperature is between +5°C and +35°C.

d. CONSUMPTION

Approximately 2 kg/m²/mm when applied as a bonding agent; consumption on steel is variable.

HEALTH & SAFETY

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that application be carried out in a ventilated area, wearing protective gear for hands, eyes, and the respiratory system, and avoiding inhalation of dust. Splashes on the skin should be washed off 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.

STORAGE

REC REPAIR M-333 can be stored for 12 months from the manufacturing date in its original, unopened packaging, under cover, in dry conditions, away from humidity, and protected from extreme temperatures and direct sunlight.

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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