

TEKNOPRIME 841

Corrosion Inhibiting Primer

DESCRIPTION

TEKNOPRIME 841 is a two-component primer designed for application to steel reinforcement to protect against corrosion. The primer is impregnated with corrosion inhibitors, which react with the surface of the reinforcement to produce a passivating layer, prior to the application of PREMCRETE REPAIR MORTARS. TEKNOPRIME 841 exhibits excellent adhesion to the steel and is alkaline in nature which protects the steel from chlorides and water to prevent corrosion.

USES

TEKNOPRIME 841 is used as a steel reinforcement primer prior to the application of subsequent repair mortars and coatings.

ADVANTAGES

- Excellent adhesion to steel reinforcement.
- Flexible once cured to provide long lasting protection.

Property	Value
Colour	Cement grey
Wet density	1940Kg / M ³
Application temperature	5°C to 30°C
Pot life @ 20°C	50 minutes
Compressive Strength	33 MPa
Flexural Strength	6 MPa
Tensile Strength	2.5 MPa
Water permeability	5.7 x 10 ⁻¹⁶ m/sec
Chloride ion diffusion	Zero

COMPLIANCE

- Certified by the British Board of Agrément.
- Suitable for use in drinking water applications as defined under regulations 31.



PROCEDURE

Surface preparation: Steel reinforcement should be mechanically cleaned using metal grinding equipment or grit blasting to ensure that any rust or other contaminants are removed. The metal surface should be prepared to SA 2.5 as defined in BS 7079. It is important to ensure that all chloride contamination is removed, prior to the application of the TEKNOPRIME 841.

Mixing: Mix the TEKNOPRIME 841 components one-part liquid to three parts of powder. Sufficient material should be mixed that can be placed within the pot life. The two components should be mixed together thoroughly using a small paddle mixer, until a uniform consistency is achieved. The mixed material will be of a thixotropic nature to ensure that the applied primer does not drip or run.

Application: The first coat should be applied by brush onto the reinforcement as soon as possible after the preparation has been completed. Apply to an approximate thickness of 1mm ensuring complete coverage of the reinforcement around the complete circumference of the bar.

Allow the first coat to stiffen before applying the second coat, typically one to two hours. Once coating of the reinforcement has been completed it should be thoroughly inspected to ensure the complete integrity of the encapsulation. This will ensure maximum protection of the steel from moisture and chloride attack. The repair should then be carried out using the suitable PREMCRETE REPAIR MORTAR ensuring complete compaction around the reinforcement to prevent any voids forming.

PACKAGING & COVERAGE

Pack: 5Kg pack.

Coverage: A 5kg pack will coat approximately 30 linear metres of 12mm diameter steel bar.

HEALTH & SAFETY

See separate material safety datasheet.

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