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FIBRE-PRIME

Rustproofing Primer and Coating for Steel

DESCRIPTION

FIBRE-PRIME is a proprietary, water-based, polymer-modified cement slurry that provides excellent protection of rebar and steel substrates. FIBRE-PRIME is a two-component product, consisting of Component A (dry) and Component B (liquid). FIBRE-PRIME contains highly effective corrosion inhibitors active on both anodic and cathodic corrosion sites.

USES

FIBRE-PRIME is used as a rustproofing primer before application of cementitious coatings or as a protective coating in most immersed and non-immersed applications.

FEATURES/BENEFITS

- Rustproofs and protects ferrous metals
- Contains effective corrosion inhibitors
- Water-based formulation
- Non-toxic
- Contains no VOCs
- Bonds to wet steel
- Excellent freeze-thaw durability
- Applicator friendly
- Cost-effective

PACKAGING

A kit consists of dry Component A packaged in a 9 kg (19.8 lb.) bag and liquid Component B packaged in a 2.3 L (0.61 gal.) unit.

COVERAGE/YIELD

One kit yields 5.5 L (0.19 ft.³). Apply in two (2) coats for a total thickness of 1 mm (40 mils). Covers approximately 5.5 m² (59 ft.²) or 117 LM (383 lineal ft.) of 5/8" (15 mm) around the circumference of the rebar.

SHELF LIFE

Shelf life is 12 months when stored in unopened containers on pallets in a cool, dry area.

TECHNICAL DATA

Compressive Strength (ASTM 109 Modified)	41 - 43 MPa (5940 - 6230 psi)
Adhesion to Steel (Direct Tension Pull Off)	2.6 - 3.5 MPa (380 - 500 psi)
Freeze/Thaw Resistance (ASTM C666-A)	0% loss
Carbonation Resistance (R), 1.5 mm thick layer, Klopfer (R>50 m)	Equivalent air thickness R=1280 m. Equivalent concrete thickness is 3.2m
H ₂ S Resistance (Gemite ISO TP 012)	Very good
Cathodic Disbondment (CSA - Z245)	No disbondment
Color:	Dark Gray

APPLICATION

Surface Preparation ... Remove all loose rust, grease, dust, and other contaminants that could affect adhesion. Wet or dry abrasive sand blasting or wire brush is recommended. The "white metal" surface preparation is not required.

Mixing ... Place the liquid component B into a clean container. Add the dry component A while mixing using a drill (400 - 600 rpm) with a mixing paddle until a smooth and lump-free brushable mix is obtained. Allow to sit for 3 - 5 minutes, then remix. Mix only the amount of material which can be applied within 45 minutes after mixing. Discard any material not used within 50 minutes.

Application Method ... Apply a thin coat of FIBRE-PRIME by brush or (slurry) spray. Let dry for 10 - 15 minutes then apply the second coat. At least two coats are recommended, with a total minimum dry film thickness of 1 mm (40 mils). FIBRE-PRIME is also used as an excellent bonding agent for concrete repair materials. Apply repair materials to wet FIBRE-PRIME. Contact W. R. MEADOWS for advice on specific applications.

Curing ... Cure by air drying.

Cleanup ... Tools must be cleaned with water immediately after use. Cured material can only be removed mechanically.

LIMITATIONS/PRECAUTIONS

Do not apply FIBRE-PRIME when the temperature is expected to be below 4° C within 24 hours or when rain is imminent. Consult W. R. MEADOWS for applications over previously coated steel surfaces. The liquid component B must not freeze.

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HEALTH AND SAFETY

FIBRE-PRIME is non-toxic and non-flammable. Skin might be sensitive to cement. Use of rubber gloves is recommended. Avoid contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult SDS for additional information.

For most recent data sheet, sustainability information, and SDS, visit www.gemite.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.