

MuCis PROTEZIONE FERRO MONO

Single Component, Cementitious Corrosion Inhibiting Primer for Steel Reinforcement



MuCis PROTEZIONE FERRO MONO is a blend of Portland cements, graded fillers, corrosion inhibiting additive, and re-dispersible polymers in powder form mixed with water it forms slurry for application by brush to cover exposed reinforcement.

Uses

As an anti-corrosion primer for steel reinforcement before concrete repair. PROTEZIONE FERRO MONO is recommended for use where the reinforcement is within 10mm of the finish surface or where chlorides are present such as residential and commercial buildings, parking garages & bridges and water-treatment facilities etc.

Benefits

- Excellent migrating corrosion inhibiting properties
- Excellent adhesion bond strength
- High alkalinity level similar to concrete
- Cures in damp enclosed areas
- No wastage, saves cost & time

Technical Support

Thermax provides a technical advisory service to specifiers, end users and contractors as well as on-site technical assistance in locations all over the country.

Properties

Appearance	Whitish grey powder
Water/Powder Ratio	0.30 by weight
Mixed Density	2.01-2.05
Pot Life	30 minutes @ 30°C
Touch Dry Time	10-15 minutes @ 30°C
Adhesion Bond Strength to Steel	1 N/mm ²

Instructions for Use

Substrate Preparation

Remove deteriorated concrete around rusting rebar to expose sound concrete. The cleaned substrate should be alkaline (pH above 9.5) and free of harmful salts, oil, rust, and other contaminants. Remove rust and mill scale by grit blasting Follow grit blasting with vacuuming or oil-free or dry air blast.

Mixing

Each kilogram of PROTEZIONE FERRO MONO primer will require approx. 0.3 liters of clean water. DO NOT add any liquid or powder in that mix. Gradually blend the powder in to the water vigorously with a paddle until a lump free, brushable consistency is obtained.

Placing

A film thickness of approx. 1 to 2mm should be built up in two coats, allowing 30 minutes to harden between coats and longer at cooler temperature.

Allow PROTEZIONE FERRO MONO primer slurry to cure for 30 to 60 minutes prior to the application of the repair mortar.

Health & Safety Instructions

Avoid contact with skin. Rubber gloves and goggles should be worn. Wash spillages with plenty of water. Enclosed areas should be well ventilated. If contact with eyes occurs, wash immediately with water and seek medical advice.

Packing

MuCis PROTEZIONE FERRO MONO is available in 30 kg HDPE Pack.

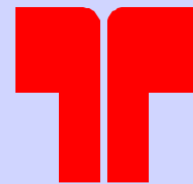
Coverage

2 kg/m² @ 1.0mm thickness.

10-12 running meters of 12mm diameter re-bar per kg @ 1.0mm average thickness.

Diameter of Re-bar	Coverage (rm/kg)
8mm	18-20
12mm	12-14
16mm	10
20mm	8
25mm	6-7

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