

CIS ZINC COAT - 411

FOR CATHODIC PROTECTION TO RE - BARS & STEEL SUR FACE

PRODUCT CATEGORY: REPAIR

PRODUCT DISCRIPTION

CIS ZINC COAT 411 is a two-component system based on metallic Zinc and epoxy resin, hardener & additives which on mixing gives a grey coloured liquid. CIS ZINC COAT 411 is recommended for coating on steel reinforcement or steel surfaces as an anti corrosion primer. The product actively resists corrosion within the confines of the repair location and avoids the generation of incipient anodes in immediately adjacent locations.

AREAS OF APPLICATION

For coating of re-bars and steel surfaces.

FEATURES & BENEFITS

Passivation - Active zinc-rich system combats corrosion by electro chemical means.

Ease of application - Easy to mix & applicable by brush or spray.

Time saving - Saves time because it dries quickly (touch dry time 15 to 45 minutes).

Compatibility - Excellent compatibility and suitable primer for steel surfaces and can be over coated by epoxy or polyurethane coatings.

Bonding - Bonds strongly to cement concrete & mortars.

Chemical resistance - Resistance to commonly used acids & alkali.

METHOD OF APPLICATION

SURFACE PREPARATION

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Care should be taken to clean the back side of exposed steel bars as well. Grit blasting is recommended for this purpose.

The application of CIS Zinc coat must take place immediately on a dry steel surface after completion of the preparation work and not later than three hours.

APPLICATION

Apply first coat CIS ZINC COAT 411 using a suitable brush, making sure that the back of exposed steel



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reinforcement bars are properly covered.

Apply second coat, in case of any discontinuity in the first coat, after drying of first coat for minimum 1 hour. The primed surface should not be left exposed for a longer time. The application of concrete repair material should proceed as soon as the CIS ZINC COAT 211 is fully dried.

PRECAUTIONS & LIMITATIONS

CIS ZINC COAT 411 should not be applied when the temperature is below 10°C & is above 40°C.

It is flammable so prevent from naked flame.

Keep away from source of ignition.

In case needed, fire extinguish with CO₂ or foam extinguisher.

TECHNICAL INFORMATION

PROPERTIES	RESULTS
Test Temp (°C)	30 °C
Pot life of mixed material @30°C (minutes)	150 minutes
Specific gravity (g/cc)	2.01 to +/-0.01
Thickness of application (W.F.T), microns	70 - 75 per coat
Hard drying time (hrs.)	24 hrs
Coverage	6 m ² / ltr at DFT of 100 microns in 2 coats

HEALTH & SAFETY PRECAUTIONS

Like for all chemical products, caution should always be exercised. Protective clothings such as gloves and goggles should be worn. Treat any contact to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

PACKING

2 KG

SHELF LIFE

12 MONTHS FROM MFD WHEN UNOPENED AND PROTECTED FROM SUNLIGHT