

# ULTRA ANTI-CORROSION

## Two part epoxy base Anti corrosion coating

**Description** Ultra Anti-Corrosion is two part epoxy base corrosion protection coating provides significant protection against steel reinforcement corrosion and all type of steel structures.

### PRIMARY APPLICATIONS

- Corrosion protection for Steel reinforcement.
- Marine Structures
- Steel Structures

### FEATURES / BENEFITS

- Excellent adhesion to concrete and steel
- Allows flexibility in topping placement, including traffic from ready mix trucks when tack free

### Weather-o-meter Testing,

(ASTM G 93), 2000 hours no cracking or peeling over steel

**Shelf Life:** 1 year in original, unopened package.

### PACKAGING / YIELD

ULTRA Anti Corrosion is available in 2.5/kg pack. A pack consists of Part A (Hardener) & Part B (Base).

### Appearance

When mixed and placed per directions, the product has a Cementitious coating appearance with a light brownish.

### DIRECTIONS FOR USE

Substrate surface should be dry for maximum bond strength. In warmer

climates, the substrate may be Saturated Surface Dry (SSD).

(Caution: Do not apply over any standing water.)

### Corrosion Protection-

For maximum corrosion protection, steel reinforcement must be cleaned to white metal. Preparation methods include wire wheel cleaning.

### Mixing-

Pre-shake Part A before combining Part A with Part B. Add the entire container of Part B to all of Part A. Mix with a mechanical (drill) mixer for 2-3 minutes until uniform. A mortar mixer may be used for large jobs.

### Application Bonding

Substrate and ambient temperatures must be between 40°F (5°C) to 120°F (45°C) and the material temperature should be between 65°F (18°C) to 95°F (35°C) for best results. ULTRA ANTI-CORROSION is applied by stiff bristle broom or paint brush at an even coverage.

For large areas, a mechanical scrubber is recommended. Final film thickness must be 80-100 Microns.

**Corrosion Protection-**For maximum protection of steel Reinforcement, apply ULTRA ANTI-CORROSION in two

coats, with each coat brushed on at 14-16 m<sup>2</sup>/kg). After the first coat is placed, allow to dry tack free before the second coat is placed.

### CLEAN-UP

Clean tools and equipment with Ultra Solvent before material dries.

### PRECAUTIONS /LIMITATIONS

- For best results, place at ambient and material temperatures of 40°F (5°C) to 120°F (45°C). Material temperature should be between 65°F (18°C) to 95°F (35°C).
- Don't allow the material to be frozen during storage

### TECHNICAL INFORMATION

Typical Engineering Data @ 70°F (21°C)

**Consistency:** brush-able coating

**Pot Life...** 5-7 hrs

**Initial Hardness** 48 hrs

**Full Cure** 7 days

**Maximum Overlay time** 24 hrs @ 20° C.

**Compressive Strength (ASTM -C 882) (psi 7000)** 50 N/mm<sup>2</sup>

**Tensile Strength psi 2900 (ASTM-C 882) (20 N/mm<sup>2</sup>)**

**Flexural Strength psi 5000 (ASTM-C 882) (35 N/mm<sup>2</sup>)**

**Shear Bond Strength psi 3600 (ASTM-C 882) (25 N/mm<sup>2</sup>)**

### Regional Sales Office

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