

## METALCOAT®

### METALCOAT UNDERWATER EPOXY (UWE)

#### PRODUCT DATA SHEET

#### METALCOAT UNDERWATER EPOXY SYSTEM

#### DESCRIPTION

#### METALCOAT UNDERWATER EPOXY(UWE)

is a high-performance solvent free, two-pack epoxy mastic designed to provide corrosion resistance and abrasion protection in extreme service applications.

This specially designed epoxy capable of application and curing underwater and form a tough protective barrier. It provides outstanding adhesion on wet blasted surfaces.

#### RECOMMENDED USES

METALCOAT (UWE) is designed to provide corrosion protection for metal and concrete structures in offshore marine and petrochemical services, sheet/pile piles, underground and submarine pipes, waste-water tanks, jetty piles, underground tanks, ballast tanks and other structural steel that requires protection against corrosion in aggressive environment. It is most suitable for rehabilitation of corroded steel and concrete structures in tidal zone and below water line where conventional protective coatings are not applicable. It is an ideal maintenance coating for cold pipes with condensation.

#### PERFORMANCE

- **Durable** - Tough and impermeable layer with excellent resistance against salt and water.
- **Zero VOC** - Solvent free product
- **Suitable for cold sweating steel surfaces.**
- **Chemical resistant** - Good resistance against wide range of chemicals.
- **Under-water curing** - capable of application and curing under water.
- **Adhesion** - Excellent adhesion to dry and wet surfaces.
- **Cures at low temperature.**
- **Economical and easy to use Coating.**

#### PHYSICAL PROPERTIES

Finish: Gloss/Matte

Color: Wide range of color

Volume Solids: 100%

No. of Components: Two

No. of Coats Recommended: 2 or 3 Coats Mixing Ratio: 4 Part A to 1 Part B by weight

Recommended Thickness: 150 Microns DFT per coat Theoretical Coverage:

2.0m<sup>2</sup>/kg @ 400 -500 Microns DFT.

Drying Time: Touch Dry: 4 hours

Topcoat: 12 hours

Drying Time: 7 Full days to Fully Cure

Pot Life: 45 Minutes at 30°C

Packing Size: Part A 4 kg, Part B-1 Kg.

Shelf Life: Part A-2 years, Part B-1 year.

(\*) Surface finish will be matte when coating is underwater or surface covered by water during curing.

#### CHEMICAL RESISTANCE GUIDE

Exposure	Immersion	Splash & Spillage	Fumes
Acids	Very Good	Excellent	Excellent
Alkali	Very Good	Excellent	Excellent
Solvents	Very Good	Excellent	Excellent
Salt Water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

#### Seafront Structures



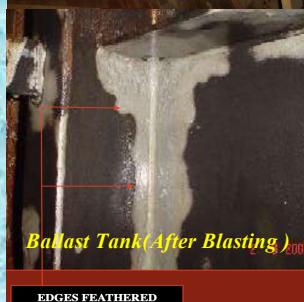
**Pipe-Piles (Before)**



**Pipe-Piles (After Painting)**

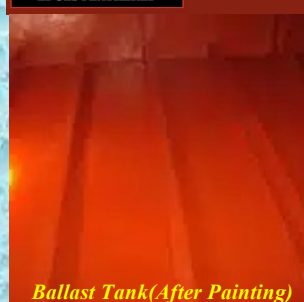


**Ballast Tank(Before Blasting)**



**Ballast Tank(After Blasting)**

EDGES FEATHERED



**Ballast Tank(After Painting)**



**Crash Barrier (Before)**



**Crash Barrier (After Painting)**