

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 2/03.09

SURESEAL 1208 UWE UNDERWATER AND WET SURFACE EPOXY MASTIC

DESCRIPTION

SURESEAL 1208 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 system is capable of application and curing underwater and form a tough protective barrier. It provides outstanding adhesion on wet blasted surfaces.

RECOMMENDED USES

SURESEAL 1208 UWE is designed to provide corrosion protection for metal and concrete structures in offshore marine and petrochemical services, sheet piles, underground and submarine pipes, waste water tanks, jetty piles, underground 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.

ADVANTAGES

- Durable - Tough and impermeable layer with excellent resistance against salt and water.
- Suitable for cold sweating steel surfaces.
- High build - can build up to 250 microns in one coat.
- Chemical resistant - Good resistance against wide range of chemicals.
- Under-water curing - capable of application and curing under water.
- Adhesion - Excellent adhesion to damp surfaces.
- Cures at low temperature.

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

PHYSICAL DATA

Finish	: Gloss
Colour	: Black (Other colours available upon request)
Volume Solids	: 100 %
No. of Components	: Two
Recommended Thickness	: 250 microns DFT for underwater services; 2 to 3 coats of 125 microns DFT for severe atmospheric exposure.
Theoretical Coverage	: 2.3 m ² /kg @ 250 microns DFT.
Drying Time	
Touch dry	: 2 hours
Topcoat	: 12 hours
Full cure	: 7 days
Pot life	: 25 minutes (varies with temperature)
Packing Size	: 5 kg

COATING SYSTEMS

Under Water

SURESEAL 1208 UWE (1 or 2 coats @ 250 microns)

Above Water

Primer: SURESEAL 1208 UWE Primer (125 µm)

Topcoat: SURESEAL 1208 UWE (125 µm)

Sweating cold Steel Surfaces

Primer: SURESEAL 1208 UWE Primer (125 µm)

2nd Coat: SURESEAL 1208 UWE (125 µm)

Topcoat: SURESEAL 1208 UWE Topcoat (125 µm)

APPLICATION INSTRUCTIONS

SURFACE PREPARATION: Remove oil and grease from surface to be painted with suitable degreaser prior to painting for surfaces above water.

STEEL: For maximum protection, wet abrasive blasting to remove surface contaminants and create surface profile about 50 to 75 microns.

CONCRETE: Wet blasting or high pressure water jet blasting is recommended to remove surface contaminants before application of coatings.

MIXING: Mix component A thoroughly then mix in component B and mix till homogeneous. Do not mix more materials than the quantity to be consumed within the pot life.

THINNING: Thinning is not recommended.

APPLICATION: SURESEAL 1208 UWE can be applied by brush, roller or spray above water and for underwater applications, brush or roller is recommended.

CLEANING: Clean all application tools with **PLC Cleaner #2** immediately after use.



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