

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 2/05.07

PLC 118 ST SELF - PRIMING EPOXY MASTIC

DESCRIPTION

PLC 118 ST is a two-component surface tolerant anti-corrosion epoxy coating for steel and concrete surfaces. It is a self-priming coating for old and painted steel surfaces. It is highly recommended as a maintenance coating on rusty or painted surface where abrasive blasting is not possible. **PLC 118 ST** can be top-coated with alkyd, acrylic, polyurethane, vinyl and other top-coats.

RECOMMENDED USES

PLC 118 ST is particularly recommended for new construction as well as maintenance painting of rusty steel or upgrading old coatings. Ideal for steel buildings, piping, machinery, equipment, bridges, tank and exposed structural steel. Excellent for waste water tank lining and corrosion protection for re-bars in structure repair works. One or two coats is required for most applications. Hand or power tool cleaning is acceptable for rusty surface.

ADVANTAGES

- Easy application - Applied by roller or spray.
- Chemical resistant - resistant to wide range of industrial chemicals.
- High build - can build up to 200 microns in one coat.
- Anti-corrosion - excellent protection properties for steel surfaces.
- Surface tolerant – adhere well to surface with minimum surface preparation and old coatings.
- Good adhesion - Adhere very well to almost any surface.
- Self-priming - No primer required.

PHYSICAL DATA

Finish	: semi-gloss
No. of Components	: Two
Volume Solids	: 85%
Mixing Ratio	: 1 part A to 1 part B by volume
Recommended Thickness	: 200 microns DFT
Theoretical Coverage	: 4.25 m ² /litre @ 200 microns DFT.
No. of coats recommended	: One or Two.
Drying Time	: Touch dry - 3 hours Open for traffic - 24 hours Full cure - 7 days
Pot life	: 2 hours (varies with temperature)
Packing Size	: 5 litres & 20 litres.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION :

Steel : The most recommended surface preparation method for anti-corrosion applications is abrasive blasting to SSPC-SP10 near white metal finish but for areas where abrasive blasting is not practical, **PLC 118 ST** can be applied on power tool prepared surfaces.

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 : Thin not more than 10% by volume with **PLC Thinner #3** for workability.

APPLICATION : **PLC 118 ST** can be applied by roller, brush, conventional spray and airless spray. For steel surfaces, do not apply when the surface temperature is less than 3°C above the dew point. Apply by roller using parallel passes in one direction. For detailed application procedures, please contact PLC Laboratory Technical Division.

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



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