

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 318 EP PIGMENTED EPOXY PRIMER

DESCRIPTION

PLC 318 EP is a two-component pigmented solvent-based epoxy primer suitable for application over ferrous metal, non-ferrous metal, concrete, tiles, plaster board, plastics, fibreglass and timber. **PLC 318 EP** can be top-coated with most topcoats including alkyds, acrylics, polyurethanes, epoxies and etc.

RECOMMENDED USES

PLC 318 EP can be used as a primer over steel, timber, aluminium, stainless steel, fibreglass, concrete or tile surfaces. It can also be used as a surface over primed surfaces. **PLC 318 EP** is always recommended where high quality decorative finish is required. **PLC 318 EP** can be applied on porous plastered surfaces as a sealer and sanded to a smooth finish to provide optimum base for high quality decorative finishes.

LIMITATIONS

PLC 318 EP is not recommended for immersion service without proper top-coat. Direct exposure to ultra violet light will cause some yellowing and chalking to the paint film.

ADVANTAGES

- Excellent resistance against abrasion and impact.
- Adhesion - Excellent adhesion over wide range of substrates including glaze tiles.
- Top-coat - Can be top-coated by most top-coats.
- Aesthetic – Seals porosity and provide optimum base for high quality decorative finishes.
- Good adhesion over difficult surfaces like ceramic tiles.

PHYSICAL DATA

Finish	: Semi- gloss.
Colour	: White
Volume Solids	: 50 ± 2 %
No. of Components	: Two
Recommended Thickness	: 50 microns DFT per coat.
Theoretical Coverage	: 10 m ² /litre @ 50 microns. DFT
Drying Time	: Touch dry 1 hour Sanding 16 hours Topcoat 16 hours
Packing Size	: 5 litres & 20 litres
Temperature resistance	: Continuous 93°C Non-continuous 120°C
No. of coats recommended	: One

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Remove oil or grease from surface to be coated with suitable degreaser or cleaner.

STEEL : For maximum protection, dry abrasive blast to a commercial blast finish in accordance with SSPC-SP6 with blast profile about 15 to 25 microns.

CONCRETE : New concrete shall be cured for at least 10 days. Old and dirty concrete surface especially floors, shall be cleaned by blasting or grinding to remove the contaminated layer. Moisture content shall be less than 4%.

MIXING : Stir Component A resin till homogeneous and empty Component B Hardener into component A and continue to mix for five minutes.

THINNING : Thin not more than 10% by volume with PLC Thinner #7 for workability.

SPRAY : Do not apply when the surface temperature is less than 3°C above the dew point. Hold gun 8 to 10 inches from the surface and at a right angle to the surface. Make a 50% overlap with each pass of the gun.

ROLLER & BRUSH : **PLC 318 EP** can also be applied by roller or brush.

DRYING : The drying time is dependant on the environment temperature and sufficient ventilation after application. To ensure proper drying, always apply to the recommended thickness.

CLEANING : Cleaning all application tools with Cleaner #2 immediately after use.



PLC Laboratory Sdn Bhd (345458-D)

No.8, Jalan TPP 6/13, Taman Perindustrian Puchong, 47100 Puchong, Selangor Darul Ehsan.

Tel : 603-80604584 Fax : 603-80604676 Email : email@plc.com.my Website : www.plc.com.my



(Certificate Number : 601086)