

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 338 HS HIGH BUILD EPOXY COATING

DESCRIPTION

PLC 338 HS is a two-component high solids polyamide cured epoxy coating. **PLC 338 HS** can be applied directly to properly prepared concrete and steel surfaces and provide long term protection with just a single coat. It is commonly used as a barrier coat over zinc rich coatings to provide an excellent barrier against corrosion.

RECOMMENDED USES

PLC 338 HS is the ideal choice for an economical yet effective protective coating for structural steel. It is highly recommended for tank exterior, piping, petrochemical plants, power stations, marine structures and offshore facilities. **PLC 338 HS** is highly resistant against splash and spillage of solvents and chemicals. Additional coats of PLC 450 PU aliphatic polyurethane coating over **PLC 338 HS** will further enhance the resistance against UV radiation.

ADVANTAGES

- Excellent abrasion resistance.
- Attractive - exhibit attractive semi-gloss finish with wide range of colours.
- Stain Resistance - excellent stain resistance.
- Excellent Chemical Resistance – excellent resistant to most industrial and cleaning chemicals.
- Easy Application- simple mixing and application procedures.

LIMITATIONS

PLC 338 HS is not recommended for immersion service. Exposure to ultra violet light will cause some yellowing and chalking to the dry film of **PLC 338 HS**.

PHYSICAL DATA

Finish : Matt.
Volume Solids : 60 %
No. of Components : Two
Recommended Thickness : 125 microns DFT per coat
Theoretical Coverage : 4.8 sq. m. per litre per coat @ 125 microns DFT
Drying Time : Touch dry 2 hour
Topcoat 16 hours
Packing Size : 5 litres & 20 litres
Temperature resistance : Continuous 93°C
Non-continuous 121°C
No. of coats recommended : One or Two

CHEMICAL RESISTANCE GUIDE

Exposure	Splash & Spillage	Fumes
Acid	Fair	Good
Alkali	Excellent	Excellent
Solvent	Very Good	Very Good
Salt	Excellent	Excellent
Water	Excellent	Excellent

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Surface to be coated shall be solvent clean using PLC Cleaner to remove oil and grease in accordance with SSPC-SP1 . Abrasive blast to Commercial Finish in accordance with SSPC-SP6.

MIXING : Stir Component A resin Component B Hardener separately, mix them and stir thoroughly. Use recommended thinners only if necessary for workability.

APPLICATION : Do not apply the coating materials if the surface temperature is less than 3°C above the dew point. **PLC 338 HS** can be applied by using brush, roller or spraying equipment. Apply sufficient materials evenly to the entire surface. Consult PLC Laboratory Technical Division for equipment recommendations. The pot life is about 3 hours. Do not mix more materials than can be used within the pot life.

DRYING : The drying time will be lengthened by insufficient ventilation . To ensure proper drying, always apply coating at recommended thickness.

CLEANING : Cleaning all tools and equipment with PLC 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)