

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 655 HT HIGH TEMPERATURE COATING

DESCRIPTION

PLC 655 HT is a single component protective coating for high temperature services. The coating will withstand continuous high temperature exposure up to 500°C. It exhibits excellent outdoor weathering properties and suitable for coastal and industrial environment.

RECOMMENDED USES

PLC 655 HT is recommended for protection of equipment exposed to high temperature like stacks, boiler, heat exchanger hot piping, mufflers, exhaust, furnace and etc. Generally used where temperature exceeds 260°C. To further enhance the corrosion protection properties, an inorganic zinc primer is highly recommended before application of **PLC 655 HT**.

LIMITATIONS

PLC 655 HT is not recommended for immersion service and chemical exposure.

ADVANTAGES

- Good abrasion resistance.
- Temperature resistance up to 500°C
- Withstand thermal shock from 500°C to 0°C
- Adhesion – Excellent adhesion over steel.
- Very good flexibility.

PHYSICAL DATA

Finish	: Semi Gloss
Volume Solids	: 30 ± 1 %
No. of Components	: One
Recommended Thickness	: 40 microns DFT per coat
Theoretical Coverage	: 7.5m ² /litre @ 40 microns DFT
No. of coats recommended	: One to two coats
Drying Time	
Touch dry	: 1 hour
Top coating	: 3 hours
Packing Size	: 5 litres & 20 litres
Temperature resistance (dry)	: Continuous 500°C

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Remove oil or grease from surface to be coated with clean rags soaked in PLC Cleaner #2 in accordance with SSPC-SP1. For steel surfaces, apply over clean dry, recommended primer or tie coat. For maximum performance, an inorganic zinc primer is highly recommended.

MIXING : Power mix to uniform consistency before application.

APPLICATION : Do not apply when surface temperature is less than 3°C above the dew point. **PLC 655 HT** can be applied using conventional or airless spraying equipment. Spray in parallel passes and overlaps 50% with each pass of the gun. Excessive dry film thickness may affect the product performance.

DRYING : The paint film will touch dry in 1 hour but the drying time will be lengthened by excessive thickness. To ensure proper drying, always apply coating at recommended thickness. Film will remain soft until exposed to temperature in excess of 150°C whereupon it will develop a hard film.

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