

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 121 IOZ

INORGANIC ZINC RICH PRIMER

DESCRIPTION

PLC 121 IOZ is a self-curing inorganic zinc primer that protects steel galvanically, eliminating sub-film corrosion. The coating consists of a zinc silicate base and pure zinc dust filler to be mixed prior to application.

RECOMMENDED USES

PLC 121 IOZ is used as a single coat protection for steel structures in weathering exposure. Also as a base coat for organic protective coating system for severe services. Suitable for long term protection of storage tanks, chemical plants, paper mills, refineries, bridges, coastal and off-shore steel structures.

ADVANTAGES

- Fast cure
- Excellent solvent resistance
- Galvanic protection – zinc sacrifices itself to protect steel surface against corrosion
- Single coat protection – excellent corrosion protection in a single coat
- Resists very high temperature

PHYSICAL DATA

Finish	: Matt
Colour	: Grey
Volume Solids	: 73 ± 2 %
Percentage of zinc in a dry film	: 75 ± 2 %
No. of components	: Two
Recommended Thickness	: 8.2 m ² /litre @ 75 microns DFT
No. of Coats	
Recommended	: One
Drying Time (Ventilated Area)	: Touch dry 15 minutes Topcoat 8 hours
Pot Life	: 8 hours
Packing Size	: 5 litres
Temperature	
Resistance (dry)	: Continuous 399°C Non-continuous 427°C

CHEMICAL RESISTANCE GUIDE

<u>Exposure</u>	<u>Splash & Spillage</u>
Acids	Very Good
Alkali	Very Good
Solvents	Very Good
Salt water	Excellent
Water	Excellent

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Remove all oil or grease from surface to be coated with clean rags soaked in PLC Cleaner # 2 in accordance with SSPC-SP1. Remove weld spatter, slag and oxide caused from welding. For immersion service, abrasive blast to White Metal Finish in accordance with SSPC – SP5 with 25 to 50 microns sharp pattern surface profile. For non-immersion service, abrasive blast to commercial finish in accordance with SPPC-SP6 with 25 to 50 microns sharp pattern anchor profile.

MIXING : Pre-mix Base Part A with power stirrer till homogeneous, sift in Zinc Filler Part B slowly with continuous agitation. Mix until mixture free from lumps.

THINNING : Thin not more than 10% by volume with PLC Thinner # 11 for workability.

APPLICATION : Do not apply when surface temperature is less than 3°C above the dew point. PLC 121 IOZ can be applied using conventional or airless spraying equipment. Spray in parallel passes and overlaps 50% with each pass of the gun. Brush application is allowed for touch-up over small areas only.

DRYING : Excessive thickness can cause mud-cracking. To ensure proper paint film formation, always apply coating at recommended thickness.

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



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