

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## PLC 881 EZ EPOXY ZINC RICH PRIMER

#### DESCRIPTION

**PLC 881 EZ** is a two-component, zinc filled, cross-linked epoxy primer. An organic zinc primer with outstanding adhesion to steel surface and protects the steel surface galvanically against corrosion in aggressive industrial, coastal and off-shore environments.

#### RECOMMENDED USES

**PLC 881 EZ** is an excellent primer for maintenance and general uses over commercially blasted steel. Recommended as a protective primer for aggressive environments like pulp and paper factories, petrochemical plants, marine and off-shore structures. Also recommended as a shop primer where quick re-coating and cure times are desired.

#### LIMITATIONS

**PLC 881 EZ** is not recommended for immersion service without a proper top-coat.

#### ADVANTAGES

- Excellent adhesion to commercially blasted surfaces.
- Galvanic protection – Zinc scarifies itself to protect steel surface against corrosion.
- Very short top-coating time.
- Very tough and flexible film.
- Outstanding application properties.

#### CHEMICAL RESISTANCE GUIDE

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

#### PHYSICAL DATA

Volume Solids	: 50 ± 2 %
No. of Components	: Two
Recommended Thickness	: 75 microns DFT per coat
No. of coats recommended	: One
Theoretical Coverage	: 6.6m <sup>2</sup> /litre @ 75 microns DFT
Drying Time	: Touch dry 1 hour Top-coat 8 hours
Pot life	: 4 hours (varies with temperature)
Packing Size	: 5 litres
Temperature resistance (dry)	: Continuous 82°C Non-continuous 110°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. Remove weld spatter, slag and oxide caused from welding. Abrasive blast to commercial finish in accordance with SSPC-SP6 with 25 to 50 microns sharp pattern anchor profile.

**MIXING** : Pre-mix Resin Base Part A with power stirrer till homogeneous, add in Cure Part B slowly with continuous agitation. Mix until mixture free from lumps.

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

**APPLICATION** : Do not apply when surface temperature is less than 3°C above the dew point. **PLC 881 EZ** 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 will result in slower drying. 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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