

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## PLC 108 SB SOLVENT-BASED EPOXY COATING

#### DESCRIPTION

**PLC 108 SB** is a two-component high gloss solvent-based epoxy coating suitable for old and new steel and concrete surfaces. This self-priming coating can be applied directly to the properly prepared concrete and steel surfaces. **PLC 108 SB** is high gloss and available in wide spectrum of colours. It can be applied by spray, roller or brush.

#### RECOMMENDED USES

**PLC 108 SB** is recommended where a high performance, chemically resistant epoxy topcoat is desired. **PLC 108 SB** offers outstanding protection for interior floors, walls, piping, equipment and structural steel. Locations where **PLC 108 SB** is recommended includes chemical processing, offshore oil and gas, food processing and pharmaceutical, water and waste water treatment, pulp and paper, power generation and etc. **PLC 108 SB** can be used as a final sealer coat for SURESEAL ES5000 epoxy topping system.

#### ADVANTAGES

- Attractive - high gloss and available in wide spectrum of colours.
- Hard surface - excellent abrasion resistant.
- Excellent adhesion to concrete, masonry and steel surfaces.
- Good resistance against industrial and cleaning chemicals.
- Easy application - simple mixing and application procedures.
- Hygienic - Impervious finish provides easily cleaned surface.

#### LIMITATIONS

**PLC 108 SB** is not recommended for exposure to strong acids and solvents. It is also not recommended for immersion service. Exposure to ultra violet light will cause some yellowing and chalking to the dry film of **PLC 108 SB**.

#### CHEMICAL RESISTANCE GUIDE

Exposure	Splash & Spillage	Fumes
Acids	Good	Excellent
Alkali	Excellent	Excellent
Solvents	Very Good	Good
Salt water	Excellent	Excellent
Water	Excellent	Excellent

#### PHYSICAL DATA

Finish	: Gloss
Volume Solids	: 60 ± 2 %
No. of Components	: Two
Mixing Ratio	: 4 part of A to 1 part of B by volume
Recommended Thickness	: 50 microns DFT per coat
Theoretical Coverage	: 8.6m <sup>2</sup> /litre @ 50 microns DFT
No. of coats recommended	: Two or Three
Drying Time	: To touch 3 hours Top-coat 16 hours
Packing Size	: 5 litres & 20 litres
Pot life	: 4 hours
Temperature resistance	: Continuous 93°C Non-continuous 120°C

#### APPLICATION INSTRUCTIONS

**SURFACE PREPARATION** : The surface to be coated must be thoroughly cleaned and degreased to ensure that oil, grease and other surface contaminants are removed. Surface dust must be removed using industrial vacuum cleaner. Fins and protrusions shall be removed by stoning, sanding or grinding. New concrete shall be allowed to cure for at least 28 days before application of **PLC 108 SB**.

**MIXING** : Stir Part A thoroughly in the containers with power mixer, then pour Part B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before thinning.

**THINNING** : Thin not more than 10% with Thinner #1 for workability.

**APPLICATION** : **PLC 108 SB** Can be applied by rollers, brushes or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure maximum penetration. For application in enclosed area, provide sufficient ventilation to ensure proper drying of applied materials.

**CLEANING** : All application tools and equipment can be water and detergent after use.