

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## ENVIROSHIELD 608 AC

(Previously called PLC 608 AC)

### ACRYLIC MAINTENANCE COATING

#### DESCRIPTION

**ENVIROSHIELD 608 AC** is a single component premium quality water reducible pure acrylic anti-corrosion coating. **ENVIROSHIELD 608 AC** is free from problems related to strong solvent odour and fire hazard during application. The excellent UV and external weathering resistant gives the product long service life with outstanding colour retention and chalk resistance.

#### RECOMMENDED USES

**ENVIROSHIELD 608 AC** is designed for external services as a anti-corrosion primer finishing coat to provide long lasting protection for steel, galvanised steel, aluminium and concrete surfaces. It is highly recommended for towers, stacks, bridges, tank exterior, pipes, metal roofing and other structural steel. **ENVIROSHIELD 608 AC** is also recommended as a finishing coat for other coating products, which are vulnerable to UV attack when exposed to sunlight. It is also suitable to be used as maintenance coating over old paints without affecting the old paint.

#### ADVANTAGES

- No odour - application works can be carried out without complete shut down.
- No fire hazard - can be used in areas where solvent-based coatings are not allowed.
- Excellent adhesion to concrete, ferrous and non-ferrous metal surfaces.
- Good resistance against spillage of mild chemicals.
- Easy to clean - application tools and equipment can be cleaned easily with water after use.
- Fast dry – touch dry in 45 minutes and can be top-coated in 3 hours.

#### PHYSICAL DATA

Finish	: Satin
Colour	: Refer to colour chart.
Volume Solids	: 40 ± 2 %
No. of Components	: one
Recommended Thickness	: 50 microns DFT per coat
Theoretical Coverage	: 8.0m <sup>2</sup> /L @ 50 microns DFT
No. of coats recommended	: One or Two
Drying Time (ventilated area)	: Touch dry - 1 hour Topcoat - 2 hours
Packing Size	: 5 Litres and 20 litres
Thinning & Cleaning	: Clean water

#### CHEMICAL RESISTANCE GUIDE

Exposure	Splash & Spillage	Fumes
Acids	Fair	Fair
Alkalise	Good	Good
Solvents	Poor	Very Good
Salt water	Very Good	Excellent
Water	Very Good	Excellent

#### APPLICATION INSTRUCTIONS

##### SURFACE PREPARATION :

**Metal** : The surface to be coated must be thoroughly cleaned and degreased to ensure that oil, grease and other surface contaminants are removed. Mild steel shall be blasted and primed with suitable primer before coating.

**Concrete** : Surface dust must be removed using industrial vacuum cleaner. Fins and protrusions shall be removed by stoning, sanding, sanding or grinding. New concrete shall be allowed to cure for at least 28 days before application of **ENVIROSHIELD 608 AC**.

**MIXING** : Mix materials with a mechanical stirrer to ensure colour consistency during application.

**THINNING** : Thin not more than 10% with clean water for workability. Excessive thinning may result in foamy materials during application.

**APPLICATION** : **ENVIROSHIELD 608 AC** Can be applied by rollers, brushes or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure a proper wet coat. For application in enclosed area, provide sufficient ventilation to ensure proper drying of applied materials.

**CURING** : In order for the water in the coated film to be released quickly, coated areas must be well ventilated. With good ventilation, topcoats can be applied after 2 hours.

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



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