

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## ENVIROSHIELD LB EXTERIOR WALL FINISH

#### DESCRIPTION

**ENVIROSHIELD LB** is a premium quality pure acrylic emulsion coating specially designed for exterior applications. The excellent UV resistance gives the product long service life with outstanding colour retention as well as chalk and dirt pick-up resistance. It provides excellent anti-carbonation properties when used together with a silane-siloxane primer.

#### RECOMMENDED USES

**ENVIROSHIELD LB** is highly recommended for external services as a finishing coat to provide long lasting protection for concrete, masonry, bricks and other plastered surfaces. **ENVIROSHIELD LB** is also recommended as a finishing coat for other coating products which are vulnerable to UV attack when exposed to sunlight. It is also an effective anti-carbonation coating for protection of re-bars when used with **SURESEAL PS700** Silane-siloxane primer.

#### 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 and mineral surfaces.
- Excellent UV and weathering resistance.
- Excellent resistance against growth of fungal and algae.
- Excellent dirt pick-up resistance.
- 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	: Matte
Colour	: Refer to colour chart.
Volume Solids	: 38 ± 1 %
No. of Components	: one
Recommended Thickness	: 50 microns
DFT per coat .	
Theoretical Coverage	: 7.6 m <sup>2</sup> /L @ 50 microns DFT.
No. of coats recommended	: Two or three.
Drying Time (ventilated area) hour	: Touch dry – 1 hour
	Topcoat- 3 hours.
Weather resistance	: Excellent
Alkali resistance	: Very Good
Breathability	: Excellent
Acid rain resistance	: Good
Water resistance	: Excellent
Anti-carbonation	: Excellent
Abrasion resistance	: Good
Packing Size litres	: 5 Litres and 20 litres
Thinning & Cleaning	: Clean water

#### APPLICATION INSTRUCTIONS

**SURFACE PREPARATION** : The surface to be coated must be thoroughly cleaned to ensure loose materials, including plaster, cement deposits, loose old paint, dust and other contaminants are completely removed. Porous substrates with high absorption shall first be sealed with a proper sealer or primer.

**PRIMER** : **ENVIROSHIELD LB** can be applied directly on mineral substrates or can be applied over a silane-siloxane primer or any suitable alkali resistant undercoat.

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

**APPLICATION** : **ENVIROSHIELD LB** 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 after use.