

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

ENVIROSHIELD 603 FC

(Previously called PLC 603 FC)

ACRYLIC COPOLYMER FLOOR COATING

DESCRIPTION

ENVIROSHIELD 603 FC is a single component water-based acrylic copolymer floor coating. The specially formulated product is free from problems related to strong odour and fire hazard during application. **ENVIROSHIELD 603 FC** is suitable for indoor or outdoor applications. It is non-skid, non-reflective and has excellent resistance against UV radiation and abrasion. It can withstand ponding water for at least 48 hours.

RECOMMENDED USES

ENVIROSHIELD 603 FC can be used as the final coating for indoor and outdoor pavement and floor subjected to light and medium human traffic. It is also suitable for sports facilities such as badminton, tennis, basketball and sepak takraw courts. The high solids coating materials can build up to 1 mm in a single coat without having drying and cracking problems. **ENVIROSHIELD 603 FC** is non-skid in nature and thus suitable for corridors and ramps for human traffic.

ADVANTAGES

- Non-reflective and non-skid.
- No fire hazard - can be used in areas where solvent-based coatings are not allowed.
- Excellent adhesion to concrete, bitumin and steel surfaces.
- Good resistance against UV and ponding water.
- Easy to clean - application tools and equipment can be cleaned easily with water after use.
- Fast dry – touch dry in 1 hour and can be top-coated in 4 hours.

PHYSICAL DATA

Finish	: Matt
Volume Solids	: 60 ± 2 %
No. of Components	: one
Recommended Thickness per coat.	: 250 microns DFT
Theoretical Coverage microns DFT.	: 3.6 m ² /L @ 250
No. of coats recommended	: One o Two .
Drying Time (ventilated area)	
Touch dry	: 1 hour
Topcoat	: 4 hours
Packing Size	: 20 litres
Thinning & Cleaning	: Clean water

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, sanding or grinding. New concrete shall be allowed to cure for at least 28 days before application of **ENVIROSHIELD 603 FC** can be applied directly to concrete surface or over suitable bituminous base coat coating.

MIXING : Mix materials with a mechanical stirrer or a stick to ensure good levelling and colour consistency during application.

THINNING : Thin not more than 10% with clean water for workability. Excessive thinning will result in foamy materials during application and cause cracks for high build applications.

APPLICATION : **ENVIROSHIELD 603 FC** can be applied by rollers, brushes, squeegee or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure good levelling. 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. Coated surface can be open for foot traffic after 24 hours. With good ventilation, topcoats can be applied after 4 hours.

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