

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 460 FC POLYURETHANE FLOOR COATING

DESCRIPTION

PLC 460 FC is a two-component aliphatic urethane floor coating with a unique ceramic feel. This low gloss, non-skid, scratch resistant topcoat has hard and tough film that is readily cleaned. **PLC 460 FC** has very good resistance to splash and spillage of acids, alkali and most of the common solvents. It also exhibits excellent resistance to splash and spillage of salts and water. With a properly designed flooring system, the topcoat is suitable for heavy duty services and high volume traffic usage.

RECOMMENDED USES

PLC 460 FC is recommended indoor and outdoor applications where long lasting colours and hard wearing surface is required. It is suitable for electronic plants to provide non-dusting floors, food and pharmaceutical factories to provide hygienic and easily sanitized floors and other facilities including production assembly area, showrooms, workshops, bottling plant, breweries and etc.

ADVANTAGES

- Stable Colour – Colour Stable for indoor and outdoor applications.
- Ceramic feel – Feel and look like ceramic tiles.
- Scratch resistance – highly resistance against scratches.
- Hard wearing - very high abrasion resistant surface.
- Non-skid – surface properties for dry areas.
- Steam cleaning - suitable for areas require steam cleaning.
- Excellent flexibility.

PHYSICAL DATA

Finish	: Satin
Colour	: Refer to colour chart.
Volume Solids	: 50 ± 2 %
No. of Components	: Two
Recommended Thickness	: 50 microns DFT per coat
Theoretical Coverage	: 10 m ² /litre @ 50 microns DFT
No. of coats recommended	: One or two.
Drying Time	: Touch dry - 4 to 6 hours Recoat - 24 hours.
Packing Size	: 5 Litres and 20 Litres
Pot life	: 4 hours.

CHEMICAL RESISTANCE GUIDE

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

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. **PLC 460 FC** shall be applied over clean, dry recommended primer or tie-coat. It can be a topcoat over **PLC 318 EP, PLC 108 SB, SURESEAL 401 WB, SURESEAL PS28** and **SURESEAL SL**.

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 460FC** 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.

CURING : The rate of curing is dependant on temperature and other environmental conditions. Provide good ventilation immediately after application to ensure proper and speed curing.

CLEANING : Clean all application tool with **PLC Cleaner #2** immediately after use.