

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## PLC 310 NS ANTI-SKID POLYURETHANE COATING

#### DESCRIPTION

**PLC 310 NS** is a three-component aliphatic polyester polyurethane coating available in gloss, satin and matt finishes with non-skid surfaces. It contains a special polymeric aggregate that can withstand impact and provide anti-skid properties. It has a durable, hard wearing, non-yellowing, impermeable and easily sanitized surface. It has hard, smooth and non-porous surface that prevents bacterial and fungal growth on the surface. It is also resistant to water jet cleaning and steam cleaning.

#### RECOMMENDED USES

**PLC 310 NS** is specially designed for interior and exterior applications where an anti-skid surface is required. With a suitable primer, **PLC 310 NS** is suitable for metal, concrete and timber surface. It is designed for floors in food processing plants, hospitals, pharmaceutical factories, wet market, kitchens and other areas where a non-skid and chemical resistant coating is needed.

#### ADVANTAGES

- Hard wearing - very high abrasion resistant surface.
- Gloss - High gloss and excellent gloss retention.
- Steam cleaning - suitable for areas require steam cleaning.
- Hygienic – No fungal and bacterial growth on surface.
- Available in clear and pigmented versions.
- Anti skid - Meet safety requirements for wet areas.
- Non-combustible and minimum flame spread under fire.

#### CHEMICAL RESISTANCE GUIDE

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

#### PHYSICAL DATA

Finish	: Gloss, Satin or Matt
Colour	: Clear and wide range of colours
Volume Solids	: 45 ± 2 %
No. of Components	: Three
Theoretical Coverage	: 9.0 m <sup>2</sup> /litre @ 50 microns DFT
Drying Time	: Touch dry 4 to 6 hours Re-coat 24 hours
Packing Size	: 5 Litres and 20 Litres
Pot life	: 4 hours
Recommended Thickness	: 50 microns DFT

#### 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. The surface preparation method will vary for different types of surfaces, to get the right method for the job, consult PLC Laboratory Technical Division for more details.

**PRIMERS & UNDERCOATS** : **PLC 310 NS** can be applied over epoxy and polyurethane primers and undercoats.

**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 adding Part C. Add Part C slowly with continuous mixing. Mix to a homogeneous mixture

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

**APPLICATION** : **PLC 310 NS** 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.



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