

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

PLC 302 WB WATER-BASED POLYURETHANE COATING

DESCRIPTION

PLC 302 WB is a single component water-borne aliphatic polyurethane coating available in clear and pigmented systems. The glossy and high abrasion resistant film of **PLC 302 WB** is suitable for protection of interior and exterior surfaces against abrasion and industrial chemicals and provide a clean, hygienic, aesthetic and durable surface that can be maintained easily.

RECOMMENDED USES

PLC 302 WB is recommended as a protective and hygienic topcoat for steel structures, concrete, gypsum board, gypsum plaster, aluminium and timber surfaces. **PLC 302 WB** has excellent resistant against abrasion, salt, water and industrial chemicals. It can be applied directly to timber and concrete surfaces. A coat of **PLC 302 WB** over the wall and ceiling for clean rooms will ensure dust free and easily sanitized surface. **PLC 302 WB** has very good resistance against UV radiation and thus recommended as a finish coat for other anti-corrosion coatings for outdoor exposure.

ADVANTAGES

- Fast Drying- very short drying and re-coating time.
- Flexible – dry film has outstanding flexibility.
- Glossy - exhibit attractive glossy finish.
- Stain Resistance - excellent stain resistance and washability.
- Excellent gloss and colour retention.
- Low flame spread and flammability.
- Excellent resistance against UV radiation.

PHYSICAL DATA

No. of Components	: One
Recommended Thickness	: 35 microns DFT per coat
Theoretical Coverage	: Clear – 10.0 sq. m. Litre per coat @ 35 microns DFT
Packing Size	: 5 litres & 20 litres
Volume solids	: 35% - clear 40% - pigmented
Drying times	: Touch dry – 30 minutes Recoat – 2 hours

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Concrete surface to be coated must be thoroughly cleaned to ensure that it is free from oil, grease and other surface contaminants. New concrete shall be allowed to cure for 28 days before application of coatings. Timber surfaces shall be prepared with sand paper by sanding parallel to the timber grain to remove excessive loose fibres on the surfaces.

MIXING : Coating materials must be well stirred before using.

APPLICATION : **PLC 302 WB** Can be applied by using brush , roller or spraying equipment. Apply sufficient materials evenly to the entire surface.

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

PRIMER : **PLC 302 WB** is self priming on concrete and timber surfaces. For steel surfaces, an anti - corrosion primer is always recommended to extend the life of the coating system. Consult **PLC Laboratory Technical Division** for recommendations. **PLC 302 WB** can be applied over intact old coatings on concrete, timber and steel surfaces.

DRYING : The drying time will be lengthened by excessive thickness and insufficient ventilation. The coated area can be opened to traffic after 12 hours.



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