

FLORTHANE

POLYURETHANE BASED FLOOR COATING

PRODUCT DESCRIPTION

FLORTHANE is a solvent based two components, based on polyurethane resin. FLORTHANE combines superior chemical and abrasion resistance with excellent adhesion, colour retention and weatherability.

PRODUCT ADVANTAGES

- Long term colour retention and excellent U.V resistance
- Seamless and hygienic finish, no crevices where dirt and bacteria can dwell.
- Easy cleaning and low maintenance.
- Protects against moisture penetration.
- Exceptional resistance to chemicals and cleaning solvents.
- Non-Slip finish can be tailored to requirements.
- Flexible, can be used over wood and steel

TYPICAL USES, ADVANTAGES

FLORTHANE is a general service polyurethane coating designed to improve cleanability, increase stain resistance and abrasion resistance.

- Workshops.
- Packaging areas.
- Warehousing areas.
- Soft drink bottling plants.
- Car Park Decks

PHYSICAL CHARACTERISTICS

Application.....	Brush, Roller.
Mixing ratio.....	Base: Hardener 100:15 or as directed on the container.
Pot Life.....	60 Minutes.at 23°C Drying
Time.....	Touch Dry-30 Mins, Hard Dry-6 Hrs.
Intercoat Interval.....	6-8 Hours Minimum. Dry Film
Thickness.....	70-100 microns/kg per coat depending on porosity.
Coverage.....	5-7 sq.mts/kg per coat depending on porosity, roughness &method of application.
Recommended no. of coats.....	2 min.

METHOD OF APPLICATION

Following information should be used as a guideline.

1. SURFACE PREPARATION.

The long-term durability of the applied FLORTHANE topping is dependent on the adhesive bond achieved between the flooring material and substrate. It is most important therefore, that substrate surfaces are correctly prepared prior to application.

: 2 :

New concrete or cementitious substrates should have been placed at least 28 days and have a moisture content of less than 5% before topping with FLORTHANE.

- a) Before application, the surface to be coated, should be free from loose particles, rust, oils, grease, or earlier coatings and should be thoroughly dry.
- b) After surface is dry, all repair work like sealing of joints, crack filling of cavities and crevices should be carried out.
- c) If the surface is Tremix or smooth surface then Shot Blasting is carried out to make the surface rough in order to enhance the bonding of the primer.

2. PRIMING

For use over floor, no primer is necessary. Light grinding is sufficient. For use over a concrete surface, FLORPRIME WB/FLORPRIME EP primer is recommended to ensure maximum product performance.

3. MIXING

Pack components are pre-weighed for optimum performance. Never split packs. Empty contents of component B into a mixing container and pre-mix to assure the suspension of solids. Add component A and continue to mix to a uniform consistency for 1-2 minutes. Mix with slow speed drill and helical spinner head for 2 minutes. Avoid high speed mixing that will entrain air into the mix.

4. APPLICATION

FLORTHANE must be applied immediately after mixing the two components. **FLORTHANE** is applied with a rubber squeegee and medium nap roller. The roller is used to remove squeegee lines and smooth out the surfaces. Each additional coat may be applied when surface is tack free, which is about 6 hours.

5. CURING

The surface of **FLORTHANE** will be tack free in 4-6 hours. The coated area may be put back in service 2 days.

SPECIAL CONDITIONS

Colours

We shall always endeavour to supply the material in the colour shade ordered. However exact matching will not be possible.

Batch to batch colour variation may occur. Ensure that materials for final application are always drawn from the same batch.

Where colour matching is required over more than one order or delivery. Technical department must be contacted prior to placing the order(s) and the requirement stated clearly on all orders relating to the project(s).

RECOMMENDATIONS

Apply only on a clean sound and properly prepared substrate.

Do not use water or steam in the vicinity of the application. Moisture can seriously affect the working time and properties of material.

STORAGE CONDITIONS

Store all components of **FLORTHANE** unopened in shade. Avoid excessive heat. The shelf life is 1 year in original, unopened container.

: 3 :

PACKAGING

FLORTHANE is packaged in packs for easy handling. Each pack consists of 3 Kg of Curing Agent (Component A)
20 Kg of Base (Component B)

HANDLING AND SAFETY

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.