

FlexiThane[®] 300

Single Package, **Aliphatic Urethane Polyurea Topcoat**



Finish coat for the Moby Deck System.

PRODUCT DESCRIPTION

COMPOSITION:

FlexiThane 300 is an aromatic single component with accelerator, high solids, finish coat, smooth or skid resistant aliphatic urethane polyurea waterproofing exterior topcoat used in the Moby Deck System.

FEATURES

- Excellent adhesion
- Economical
- High Build
- Hot or cold application, in dampness.
- Excellent Durability
- Excellent Weathering
- Excellent Abrasion Resistance
- Excellent U/V Resistance
- Single Component
- Meets California V.O.C. Regulations

TYPICAL USES

FlexiThane 300 is used in the FlexiThane Moby Deck, as a seamless, waterproof, high gloss finish coat for protection from:

- Oils, grease
- Mild chemicals
- Pressure washing

MIXING AND USAGE

SURFACE PREPARATION Old coatings must be primed with FlexiThane 100 or 100-2 to ensure adequate adhesion.

SURFACES: Concrete, wood, steel, aluminum, fiberglass with proper primer.

◆ **PACKAGING** FlexiThane 300 is available as follows:

- 1 gallon (3.78 Liter) Cans
- 5 Gallon (19 liter) Pails
- 55 Gallon (208 Liter) Drums

◆ [See FlexiThane Color Card]

MIXING Before application, mix FlexiThane 300 using a mechanical mixer at slow speeds or mix by hand until a homogeneous mixture and color is obtained. Use caution not to "whip" too much air into the material as this may shorten the pot life and cause pinholes and blisters in the film.

APPLICATION: FlexiThane 300 should be applied at the rate of 90-100 sq. ft. per gallon by airless spray, roller or brush.

FlexiThane 300 should not be stopped part way across an area. A continuous application will ensure a smooth and level coat with no lines or streaks to disfigure the deck. Each coat will yield approximately 7-12 dry mils (177-305 microns), exclusive of aggregate. Most situations require two coats. A third coat may be necessary, depending on the job requirements. Estimating tip: Coverage

CURING

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy traffic, such as automobile. Ideal application temperature is greater than 50F. (10C) However, surface temperatures above 32 F. will cure very slowly. The use of accelerator is always recommended to minimize exposure to accidental damage during curing.

FlexiThane 300 is very sensitive to heat and moisture. Higher temperatures and/or high humidity may slightly accelerate the cure time. Conversely, low temperatures and/or low humidity may slightly extend the cure time.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use. It is very difficult to clean after it has cured.

LIMITATIONS

- ✓ Ensure that the substrate is properly prepared prior to application. Surfaces must be dry, clean and free of foreign matter.
- ✓ **FlexiThane 300 should be used only as a finish coat, in ventilated areas. It is U/V stable, and is primarily for interior applications Use 300AR for interior exposure.**
- ✓ Any remaining material must be tightly sealed top protect is against curing in its container. Containers that have been opened must be used within 1 or 2 days.
- ✓ **FlexiThane 300 may not be diluted under any circumstance.**
- ✓ **FlexiThane 300 should primarily be used as stipulated on this Technical Bulletin. Results occurring from use other than what is indicated is not tested or guaranteed.**

FOR PROFESSIONAL USE ONLY.
Contains Isocyanates and Solvents

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TECHNICAL DATA

Physical Property	Test Method	Results[English]	Results
[Metric			
Shelf Life		6 months	6 months
Specific Gravity		1.14	Same
Viscosity at 24° C(75°F)		1200 ± 5cps	Same
Flash Point		<108°F.	< 42 °C
Ultimate Elongation	ASTM D-412	250 ± 25%	Same
Tear Resistance	ASTM D-624	550 ± 50 pli	96.39 ± 10 kNm
Tensile Strength	ASTM d-412	4200 ± 400 psi	24.83 ± MPa
Total Solids by Weight	ASTM D-2369	70.9%	Same
Total Solids by Volume	ASTM D-2397	61.3%	Same
VOC	ASTM D-2369-81	2.79 lbs./gallon	337gm/liter