



Poly Clear PU 080

Product Description

A high-performance, solvent-based aliphatic polyurethane topcoat designed for indoor and outdoor applications. Offers excellent resistance to yellowing, abrasion, and chemicals while maintaining a glossy transparent finish.

Product uses:

- Showrooms, galleries, and retail spaces
- Decorative concrete or terrazzo floors
- Industrial floors requiring aesthetic finish
- Outdoor balconies and terraces.

Properties

- UV-resistant, non-yellowing finish
- Excellent abrasion and scratch resistance
- Chemical and stain resistance
- Transparent glossy or satin appearance
- Easy to clean and maintain
- Compatible with epoxy or polyurethane base coats

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / Transparent
<i>Density:</i>	1.05 kg/liter
<i>Volume solids %:</i>	55 %
<i>Theoretical spreading rate:</i>	5.5 m ² /ltr / 5.23 m ² /kg (100 micron DFT)
<i>Recommended DFT:</i>	75-100 micron per coat
<i>(Dry Film thickness)</i>	
<i>Hardness (Shore A):</i>	>70 (ASTM D 2240)
<i>Surface dry:</i>	6 hours approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	12-18 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray / Air spray
<i>Mixing Ratio:</i>	3: 1 (By weight)
<i>Thinner:</i>	Polyurethane Thinner
<i>Thinner Amount:</i>	Add maximum 10 %
<i>Pot Life:</i>	30–45 min at 25°C (ASTM D2471)



Surface Preparation:

Before the application, all the factors that may weaken adhesion such as oil, grease, para-n wastes, cement grout, loose particles, mold release areas, cured old membranes should be removed from the surface. After washing the surface with high pressure water, it should be dried. Surface defects should be repaired with suitable products.

PRECEDING COAT:

None

Application:

Stir Component A thoroughly, then add Component B slowly while mixing

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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