



Poly Clear PU 080

Product Description

A low viscosity single component solvent based moisture cure polyurethane primer especially formulated to significantly enhance the adhesion of polyurethane Range of waterproofing coatings and polyurethane joint sealants, with the most common construction substrates. The product can be also used as a sealer and dust-proofer over dry and damp concrete substrates.

Product uses:

- The product is used on high porous substrate such as normal grade concrete and red bricks.
- Can be also used as sealer and dust-proofer on dry and damped concrete slabs.
- Highly recommended as a bonding material on waterproofing membranes' repairs and overlaps work.

Properties

- Single component polyurethane-based and easy to apply.
- Provides durable primer after curing.
- Provides excellence adhesion between substrate and topcoat.
- Resistant to water and chemicals.
- Increases the service life of the waterproofing system.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Glossy / Transparent
<i>Density:</i>	0.97 kg/liter
<i>Volume solids %:</i>	55 %
<i>Theoretical spreading rate:</i>	7.35 m ² /ltr / 7.57 m ² /kg (75 micron DFT)
<i>Consumption:</i>	130 – 140 g/m ²
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	75-100 micron per coat
<i>Hardness (Shore A):</i>	>95 (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>Thinner:</i>	Polyurethane Thinner
<i>Thinner Amount:</i>	Add maximum 10 %



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 the product well before use, **Poly Clear PU 080** can be applied by a brush or roller. One or two successive coats of product should be applied at a rate of 5 - 10 m² / liter depending on the porosity of the substrate and left to dry before being over coated with polyurethane waterproofing coatings. Care must be taken in the application of the material according to the coverage rate, as different thicknesses might adversely affect the adhesion and durability.

Note: **Poly Clear PU 080** is not recommended for application over highly humid substrate (i.e. substrates with RH greater than 80%). Under such circumstances, it is recommended to use **Top Prime PU 10**

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.



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