



Poly Clear PU 090

Product Description

Is a polyurethane based, two component, solvent-free priming material developed to be used for preparation of the application surface. It is specially designed for humid or wet concrete surfaces (at least 7 days old). It provides fast curing and is toxic substance-free, as well as being solvent-free (zero VOC/Volatile Organic Components).

Product uses:

- Concrete floors.
- Gypsum and cement panels.
- Wood surfaces.
- Application environments with insufficient ventilation conditions.
- Bitumen and asphalt-based membranes.
- Used for metal surfaces, galvanized metal, aluminum, marble.
- Non-polyurethane based systems such as acrylic paints.

Properties

- It is solvent-free: Suitable for outdoor applications.
- IT has high hydrophobic characteristics.
- Effective as a water tightness material when processed with mineral fillings.
- It can be used as a filling and geotextile adhesive.
- It is used on surfaces such as damp concrete.
- Fast Curing.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi-gloss / Transparent
<i>Density:</i>	1.02 kg/liter
<i>Volume solids %:</i>	100 %
<i>Theoretical spreading rate:</i>	13 m ² /ltr / 12.75 m ² /kg (75 micron DFT)
<i>Consumption:</i>	80-100 g/m ²
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	75-100 micron per coat
<i>Surface dry:</i>	2 - 4 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>Full cure time:</i>	7 days (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>Mixing Ratio:</i>	Component A: 2 – Component B: 2 (By weight)
<i>Application method:</i>	Brush / Roll / Airless Spray
<i>Thinner:</i>	Polyurethane Thinner
<i>Thinner Amount:</i>	Do not thin

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

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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