

PRODUCT CODE 5779**PU Magnum Primer - Hardener**

PU Magnum Primer-Hardener is one of the component of PU Magnum Primer, which is a two component water based epoxy system. It Provides high hardness and abrasion resistance. It can be applied on dry or slightly damp substrates, without standing water. It is classified as SR-B2, 0 according to EN 13813.

**FIELDS OF APPLICATION**

PU Magnum Primer- Hardner is one of the component of PU Magnum Primer and is applied on non-primer applied on non- absorptive substrate or old waterproofing layers. It may also be used as a primer, as well as for preparing (With the addition of quartz sand) a repairing (filling) material for cement - based substrates.

PHYSICAL PARAMETERS

- Colour - Pale Yellow
- Packaging - 4 kgs
- Shelf Life - 12 months from production date if stored in original unopened packaging, at temperatures between +5°C and 35°C Protect from direct sun exposure and frost.
- Mixing Ratio - 1:1 as per weight

TECHNICAL DATA

PARAMETERS	TYPICAL VALUE WITH UNIT
Basis	Two - Component epoxy resin
Colour	Pale yellow
Viscosity	37000 mPa.s
Density	1.08 Kg/l
Density (PU Magnum Resin + PU Magnum Hardner)	1.05 kg/l
Pot Life	Approx. 60 min at +20°C
Minimum hardening temperature	+8°C
Walkability	After 18h +23°C
Successive layer	After 24h at 23°C
Final Strength	After 7 days at +23°C
Adhesion	> 3 N/mm ² (breaking Point of concrete)
Cleaning of tools	Tools should be Cleaned with water immediately after use

DIRECTION FOR USE

1. Substrate preparation

To be coated should be stable, free from materials that prevent bonding, protected from underneath moisture attack: In addition, substrates should be prepared by brushing, grinding, milling, sand blasting, shot blasting etc., depending on their nature. Then, the should be well cleaned from dust with a high-suction vacuum cleaner.

2. Mixing of the components

Components A (resin) and B (hardener) are packed in two separate containers, having the correct predetermined mixing ratio by weight. The whole quantity of component B is added into component A. The two components should be mixed for about 2-3 minutes with a low-speed mixer (300 rpm), until the mixture becomes uniform. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener. Then add equal quantity of water (100% by weight of primer) and continue mixing to ensure that the mixture obtains the desired workability.

3. Application Consumption

The product is applied by brush, spray or roller in one coat, on clean dust free surface.

Consumption: 80 - 90 g/m².

REMARKS

It is recommended to check the compatibility with the substrate, before applying the product on plastic substrates (e.g. PVC Polycarbonate sheets).

Working time of epoxy materials is affected by the ambient temperature. The ideal temperature of application is between +15°C and +25°C, for which the product obtains optimal workability and curing time. Room temperature below +15°C will expand the curing time while temperatures above +30°C will reduce it. It is recommended to mildly preheat the product in the winter, and store the product in a cool room before application in the summer.

In case the time between the application of successive layers is longer than the predicted, or in case old floors are going to be overlaid, the surface should be thoroughly cleaned and ground, before applying the new layer.

After hardening, PU Magnum Primer - Resin is totally safe for health.

Before application, Consult the directions for safe use and precautions written on the package.