



PRIMER PU-1050 - TWO-COMPONENT, 100% SOLIDS, POLYURETHANE RESIN AS A PRIMER

PRIMER PU-1050 is a two-component, low viscosity 100% solid resin. It has been specifically designed to increase bonding and improve the surface leveling prior to the pure polyurea TECNOCOAT or DESMOPOL systems. It can be applied on porous substrates such as concrete or mortar



USES

Polyurethane resin as a primer for the next uses:

- It is specially designed to increase adherence and improve the planimetry of the surfaces where be applied TECNOCOAT or DESMOPOL waterproofing and coating systems
- To apply on porous substrates such as concrete or mortar.

NOTE: call our technical department about the application to other supports or situations

density at 23°C	1,11 g/cm ³
viscosity at 23°C	±700 cps
pot life at 23°C	±35~50minutes
drying time at 23°C	±2~3 hours
approx. coat consumption	± 150 g/m ²
mix ratio	1:1



GENERAL FEATURES

- Made up of the mixture of two polyurethane-based components, it needs a flat, clean, and dry surface, as hard as possible.
- It can be applied on porous surfaces: concrete, cement, etc.
- It doesn't need diluting never.
- Depending on the state of the surface to be treated, unevenness, or plane level, the yield can vary between 150-300 g/sqm. in several layers.
- It can be applied with a roller, brush, or airless spray equipment (verify pot life).
- It can be applied on surfaces with a maximum surface humidity of 5%.



- Do not apply to surfaces that are damp or exuding water coming from the interior of the substrate (water pressure due to phreatic level, condensations, leaking, etc.).
- It can be applied in combination with mineral particles (silica sand) on very uneven surfaces.
- 100% solids (zero VOC's)
- At extremely low temperatures or in extreme weather conditions, consult the specification sheet of our alternative product PRIMER PUC-1050.
- Excellent bond on porous surfaces.
- It has CE marking if it is used on the waterproofing systems, TECNOCOAT P-2049, based in pure polyurea or DESMOPOL system based on polyurethane, under European guide ETAG #005.

PACKAGING

Metal tins of 5 kg each one.

SHELF LIVE

12 months for each product at temperatures between 5° C and 35° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

APPLICATION

- The surface must be clean and dry. If necessary, use pressurized water to remove any oil or grease residue, efflorescence, or other contaminants, as well as loose cement latencies. Before applying, take into account the residual humidity from cleaning, that is, wait until its total evaporation or verify any humidity in the surface using a measuring device.
- In some cases, it will be necessary to use mechanical processes to prepare the surface, as well as chemical means to clean metal surfaces.
- Mix the two components using a rod stirrer for about 2 minutes (medium speed).
- Apply two or more coats of PRIMER PU-1050 until the desired thickness is obtained.
- If the surface to be treated is very uneven, apply an initial coat of PRIMER PU-1050 mixed with mineral filings to level it.
- Wait until completely dry before applying the desired waterproofing or concrete protection system.

HANDLING AND TRANSPORT

These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery.

- Respiratory Protection: When handling or spraying use an air-purifying respirator.
- Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air.
- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the material and safety data sheet of the product (MSDS) or contact our technical department.



PROPERTIES

PROPERTIES	VALUE
Density at 23°C ISO 1675	1,11 g/cm ³
Density compound A at 23°C ISO 1675	1,19±5% g/cm ³
Density compound B at 23°C ISO 1675	1,03±5% g/cm ³
Viscosity at 23 °C ISO 2555	700±50 cps
Viscosity compound A at 23 °C ISO 2555	450±50 cps
Viscosity compound B at 23 °C ISO 2555	900±50 cps
Mixing ratio	1:1
Solids content ISO 1768	100%
VOC(volatile organic compounds)	0
Adhesion to the concrete	>2 MPa
Pot life at 23 °C	35~50 minutes
Tack-free time at 23 °C	±60 minutes
Drying time at 23 °C	±2~3 hours
Recoat range time at 23 °C	±3~24 hours
Ambiance application temperature range	5~35 °C
Service temperature range	15~80 °C
Max. Moisture on the support	5%
Dilution	NO

The values in this table are approximate and can vary depending on the situation of the support or application methodology employed

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