



PRIMER PUc-1050 - TWO-COMPONENT, 100% SOLIDS POLYURETHANE RESIN AS A PRIMER (FOR LOW TEMPERATURES)

PRIMER PUc-1050, is a two-component, low viscosity, 100% solids polyurethane resin. It is specially designed to increase the adhesion of waterproofing systems, improve the rough floor in structural surfaces such as concrete or mortar, in waterproofing systems applications as TECNOCOAT pure polyurea or polyurethane DESMOPOL, and **always in low ambient temperature conditions.**

USES

Polyurethane resin for the next uses:

- To apply in situations of low temperatures
- It is specially designed to increase adherence and improve the planimetry of the substrates where will be applied the TECNOCOAT or DESMOPOL systems.
- To apply on porous substrates such as concrete, mortar; providing greater adhesion to the substrate.

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 15°C	±35-50minutes
trying time at 15°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. in low environmental temperatures.
- It does not 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)



- Excellent bond on porous surfaces.

PACKAGING

Metal tins of 5 kg each one.

SHELF LIFE

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.
- 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.
- 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.
- Apply two or more coats of PRIMER PUC-1050 until the desired thickness is obtained.
- If the surface to be treated is very uneven, apply an initial coat of PRIMER PUC-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 15 °C	35~50 minutes
Tack-free time at 15 °C	±60 minutes
Drying time at 15 °C	±2~3 hours
Recoat range time at 15 °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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