



**PRIMER PU-1000** - SINGLE-COMPONENT,  
SOLVENT BASED, POLYURETHANE RESIN AS A  
PRIMER

PRIMER PU-1000 is a single component, low viscosity, high solids content polyurethane resin. It has been specifically designed to increase bonding and improve the surface leveling of the substrates prior to the application of the DESMOPOL or TECNOCOAT.

## USES

Polyurethane resin to use in:

- it is specially designed to increase the adherence and improve planimetry of the substrates where will be applied DESMOPOL or TECNOCOAT waterproofing liquid system membranes.
- to apply in porous substrates such as concrete, mortar, or on plywood surfaces
- highly recommended as a bonding material on waterproofing membranes and PU resins repairs and overlaps work.

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

density	±1,11 g/cm <sup>3</sup>
adhesion on concrete	> 2 MPa
drying time	±60 minutes



## GENERAL FEATURES

- Single translucent, component polyurethane-based resin.
- It needs a flat, clean, and dry surface, as hard as possible.
- It can be applied on porous surfaces: concrete, cement, and plywood
- It can be diluted in supports of low absorption.
- Depending on the state of the surface to be treated, unevenness, or plane level, the yield can vary between 100~200 g/m<sup>2</sup>, in one or several thin layers. (do not apply thick coats)
- In applications on old, existing PUA and PU membranes or whatever with and smooth surface, the consumption will be between 50-100 g/m<sup>2</sup> (check "Repair and overlaps processes", in the Desmopol and Tecnocoat membranes' TDS)
- It can be applied with a roller, brush, or airless spray equipment
- 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, leaks, etc.).

- It can be applied in combination with mineral particles (silica sand) on very uneven surfaces.

## PACKAGING

Metal tins of 5 kg and 20 kg.

## 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 METHOD

- The surface must be clean and dry. If necessary, use pressure water to remove any oil or grease residue, efflorescence, or other contaminants, as well as loose cement laitance.
- In some cases, it will be necessary to use mechanical processes to prepare the surface, as well as chemical means to clean metal surfaces.
- Wait until the total evaporation of this cleaning water or check the support moisture.
- 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.
- You can use DESMOSOLVENT(max.5 % dilution). Mix for 2 minutes, or until achieving a correct mixture
- Apply one or more coats (depending on support conditions) of PRIMER PU-1000 until the desired thickness is obtained.
- If the surface to be treated is very uneven, apply an initial coat of PRIMER PU-1000 mixed with mineral fillings to level it.
- Wait until completely dry before applying the desired waterproofing or concrete protection system.

## HANDLING AND SAFETY

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		RESULT
Density	ISO 1675	1,12 ±0,08 g/cm <sup>3</sup>
Viscosity	ISO 2555	70~300 cps
Solids content	ISO 1768	70~75%
VOC(volatile organic compounds)		250~290 g/l
Adhesion to concrete		> 2 MPa
Drying time		±60 minutes
Final dry time		2~3 hours
Recoat range time		3~24 hours
Environmental application range temperature		5~35 °C
Max. Moisture on the support		4%
Dilution		NOT NECESSARY

*Results performed in the laboratory at 23°C and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.*

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