



**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 for use in:

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

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

adhesion on concrete	> 2 N/mm ² (MPa)
tack free time at 23°C	±60 minutes
dilution	maximum 5% DESMOSOLVENT



GENERAL FEATURES

- Single 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, etc.
- It can be diluted in supports of low absorption.
- Depending on the state of the surface to be treated, unevenness or plane level, yield can vary between 150~300 g/m². in one or several thin layers.(don not apply thick coats)
- 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.
- High content in solids.
- Translucent.
- Excellent bond on porous surfaces.



PACKAGING

Metal tins of 5 kg and 20 kg.

SHELF LIFE

12 months 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 during 2 minutes, or until achieve an correct mixture
- Apply one or more coats (depending 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 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 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 at 23 °C ISO 1675	1.110 kg/m ³
Solids content ISO 1768	>80%
VOC(volatile organic compounds)	270 g/l
Adhesion to concrete	> 2 N/mm ² (MPa)
VOC (volatil organic compound)	270 g/l
Viscosity at 23 °C ISO 2555	±120 cps
Dry time (tack free) at 23 °C	±60 minutes
Final dry time at 23 °C	2~3 hours
Recoat range time at 23 °C	3~24 hours
Environment application temperature	5~35 °C
Max. Moisture on the support	5%
Dilution	±5% DESMOSOLVENT

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

NOTICE: While all the information presented in this document is believed to be reliable and to represent the best available data on these products, do not constitute sales specifications. The product properties may be changed without notice. NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE. Liability of Tecnopol Sistemas and its affiliates for all claims is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. User should obtain detailed information on toxicity, together with proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards. No freedom from any patents or other industrial or intellectual property rights is granted or to be inferred.

