



SINGLE COMPONENT SOLVENT BASED POLYURETHANE PRIMER

PRIMER PU-1000 is a mono-component, low viscosity, high solids content. 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

- It is specially designed to increase the adherence and improve planimetries of the substrates where will be applied DESMOPOL or TECNOCOAT membranes.
- To apply in porous substrates such as concrete, mortar, ...

Performance	Check
Adhesion on concrete	> 2 N/mm
Drying Tack	± 60 minutes (20 °C)
Dilution	5 ~ 10% DESMOSOLVENT



GENERAL FEATURES:

- Mono component product based on polyurethane. 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/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, filtrations, 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.



PRESENTATION

Metal tins of 5 kg and 20 kg.

EXPIRY

12 months each product at temperatures between 5° C and 25° 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 pressurised 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. (See Technical Application Manual for DESMOPOL.).
- 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 DESMOPOL SOLVENT(max. 5-10 % dilution). Mix sturdily during 2 minutes.
- Apply two or more coats 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 safety data sheet of the product, are publicly available.



PROPIERTIES

PROPIERTIES	VALUE	RESULT
Density at 20 °C	kg/³	1.05
Solids content	%	>85
Adhesion to concrete	N/m² (MPa)	> 2
Viscosity at 23 °C	cps	±120
Dry time (tack free) at 23 °C	minutes	60
Dry time (final) at 23 °C	hours	2 ~ 3
Max. Time to use at 23 °C	hours	24
Temperature for use	°C	5 ~ 30
Max. Moisture on the support	%	5
Dilution	DESMOPOL SOLVENT (5 ~10%)	

