



100% SOLID CONTENT POLYURETHANE (LOW TEMPERATURE) PRIMER

PRIMER PUc-1050 is a dual-component, low viscosity 100% solids primer. It has been specifically designed to increase bonding and improve the surface leveling prior to pure polyurea TECNOCOAT system or the DESMOPOL application on low temperatures environmental situation. It can be applied on porous substrates such as concrete or mortar.

USES

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

Yield	150 ~300 g/m ²
Mixing ratio	1:1
Pot Life at 15°C	45~60 minutes
Adhesion on concrete	> 2 N/mm ² (MPa)
Tack free time at 15°C	2~3 hours
Dilution	No



COLORS

Transparent

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, 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.
- 100% solids (zero VOCs)
- Translucent.
- Excellent bond on porous surfaces.

PACKAGING

Metal tins of 5 kg each one.

SHELF LIFE

6 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 TECNOCOAT P-2049, DESMOPOL.)
- 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 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(MSDS) or contact our technical department.

PROPERTIES

PROPERTIES	VALUE
Density at 23°C	1.110 kg/m ³
Mix ratio	1:1
Adhesion to concrete	>2 N/mm ² (MPa)
Pot life at 15 °C	35~50 minutes
Tack free time at 15°C	±60 minutes
Total dry time at 15 °C	±2~3 hours
Max.Time to recoat at 15 °C	±24 hours
Temperature for use	5~35 °C
Max. Moisture on the support	5%
Dilution	NO

TECHNICAL DATA

PROPIERTIES	COMPONENT A	COMPONENT B
Density (g/c ³) ISO1675	1,19±5%	1,03±5%
Dry extract at 105 °C EN 1768	?99 %	?99 %
Ashes at 450 °C (EN 1879	50 %±3	20 %±5%
Viscosity(S63, 30 rpm. at 25 °C) UNE-EN ISO 2555	450 cps ±50	900 cps±50



PROPIERTIES

PROPERTIES	VALUE	RESULT
Density at 20 °C	kg/m ³	1.110
Percnetage of the mix	%	1:1
Adhesion to concrete	N/m ² (MPa)	> 2
Pot life at 15 °C	minutes	35 ~ 50
Dry time (tack free) at 15 °C	minutes	60
Dry time (final) at 15 °C	hours	2 ~ 3
Max. Time to use at 15 °C	hours	24
Temperature for use	°C	5 ~ 15
Max. Moisture on the support	%	5
Dilution	NO	

TECHNICAL DATA

PROPIERTIES	COMPONENT A	COMPONENT B
Density (g/c ³) ISO1675	1,19±5%	1,03±5%
Dry extract at 105 °C (% weight) EN 1768	?99	?99
Ashes at 450 °C (% weight) EN 1879	50±3	20±5%
Viscosity (cps) (S63, 30 rpm at 25 °C) UNE-EN ISO 2555	450±50	900±50

