



**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

- 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 greater adhesion to the substrate.

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

|                        |                             |
|------------------------|-----------------------------|
| consumption            | ±150 g/m <sup>2</sup> /coat |
| pot life at 15°C       | ±35~50 minutes              |
| adhesion on concrete   | > 2 N/mm <sup>2</sup> (MPa) |
| tack free time at 15°C | ±2~3 hours                  |
| dilution               | No                          |



## 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, 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

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 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 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     | 1.110 kg/m <sup>3</sup>    |
| Mix ratio                    | 1:1                        |
| Adhesion to concrete         | >2 N/mm <sup>2</sup> (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                 |
| Recoat range time at 15 °C   | ±3~24 hours                |
| Temperature for use          | 5~35 °C                    |
| Max. Moisture on the support | 5%                         |
| Dilution                     | NO                         |

## TECHNICAL DATA

| PROPERTIES                                | COMPONENT A               | COMPONENT B               |
|---|---------------------------|---------------------------|
| Density at 23°C ISO1675                   | 1,19±5% g/cm <sup>3</sup> | 1,03±5% g/cm <sup>3</sup> |
| Dry extract at 105 °C (% weight) EN 1768  | 100%                      | 100%                      |
| Viscosity (S63, 30 rpm at 23 °C) ISO 2555 | 450±50 cps                | 900±50 cps                |

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

