

# ARBOFLEX<sup>®</sup> PU PRIMER

## SINGLE COMPONENT, SOLVENT BASED, POLYURETHANE RESIN PRIMER

ARBOFLEX PU PRIMER 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 ARBOFLEX PU.

### PRODUCT APPLICATION

- It is specifically designed to increase the adherence and improve planimetry of the substrates where ARBOFLEX waterproofing liquid system will be applied.
- To apply on porous substrates such as concrete, mortar, or on plywood.
- Highly recommended as a bonding material on waterproofing membrane repairs, refurbishments and overlap work.

**NOTE:** For information on other substrate please contact CARLISLE technical team.

adhesion on concrete	>2 N/mm <sup>2</sup> (MPa)
tack free time at 23°C	±60 minutes

### PACKAGING

Metal tins of 5 kg.

### STORAGE 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.



## PRODUCT FEATURES

- Single component polyurethane-based resin.
- Requires a flat, clean, dry and solid surface.
- Can be applied on porous surfaces: concrete, cement, and on plywood.
- Can be diluted in support of low absorption.
- Depending on the condition of the surface to be treated, 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 onto existing PUA and PU membranes, the consumption will be between 50-100 g/m<sup>2</sup>.
- Can be applied with a brush or a roller.
- Can be applied on surfaces with a maximum surface humidity of 5%.
- Do not apply to surfaces that are damp or exuding water from the interior of the substrate (water pressure due to phreatic level, condensation leaks, etc.).
- Can be applied in combination with mineral particles (silica sand) on very uneven surfaces.
- High solids content.
- Translucent.
- Excellent bond on porous surfaces.

## 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 may 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.
- Apply one or more coats (depending on support conditions) of ARBOFLEX PU PRIMER until the desired thickness is obtained.
- If the surface to be treated is very uneven, apply an initial coat of ARBOFLEX PU PRIMER 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 pre and post implementation process, 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.

- 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.

For further information contact our technical department.

PROPERTIES	RESULT
Density at 23 °C ISO 1675	1.110 kg/m <sup>3</sup>
Solids content ISO 1768	>80%
VOC(volatile organic compounds)	270 g/l
Adhesion to concrete	>2N/mm <sup>2</sup> (MPa)
VOC (volatile organic compound)	270 g/l
Viscosity at 23 °C ISO 2555	±120 cps
Tack free time at 23 °C	±60 minutes
Final dry time at 23 °C	2~3 hours
Recoat range time at 23 °C	3~24 hours
Environmental application temperature	5~35 °C
Max. Moisture on the support	5%

The values in this table are approximate and can vary depending on the situation of the support or installation.

Both the information and the product descriptions contained in this publication have been compiled to the best of our knowledge and belief based on our prior experiences and tests. Claims for compensation may not be derived from the same. We reserve the right to make improvements to our product range, in accordance with our high standards in relation to technical advancement and the progression of quality.



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