

PRIMER PU-S

ONE-COMPONENT POLYURETHANE
PRIMER FOR POROUS SURFACES



DESCRIPTION

Primer PU-S is a one-component, solvent-based polyurethane primer with excellent adhesion and consolidating properties. Curing occurs through atmospheric moisture. It is used as a consolidating and anchoring primer for porous substrates before polyurethane waterproofing or coating systems. Once applied, it forms a long-lasting vapour barrier.

FIELDS OF APPLICATION

- Concrete surface consolidation
- Concrete surface protection
- Adhesion promoter for solvent-based coatings
- Anti-dust treatment for concrete and lightweight concrete floors
- Chemical protection treatment
- Consolidating and waterproofing treatment for wood
- Asbestos-cement (fibrocement) encapsulation

PRODUCT DATAS

Base	Solvent
Mixing ratio	One-component
Composition	Polyurethane resins
Appearance	Viscous liquid
Specific weight	1.00 kg/L
Solid content	75%
Pot Life	3 h

CONSUMPTION

0.15–0.25 L/m² (one coat). Values depend on substrate porosity, temperature, humidity and application method.

COLOUR

- Straw-transparent.

PACKAGING

- 1 L
- 5 L
- 28 L

TECHNICAL DATA

Parameter	Result	Standard
Abrasion resistance	900 mg	EN ISO 5470-1
CO ₂ permeability	Sd 1225 m	EN 1062-6
Water vapour permeability	Class III	EN ISO 7783-1
Thermal shock resistance	3.5 MPa	EN 13687-5
Chemical resistance	No alteration	EN 13529



Date 15/10/2025

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Parameter	Result	Standard
Chemical resistance	No alteration	EN 13529
Water pressure resistance	No leakage	DIN EN 1928
Pull-off adhesion	3.89 N/mm ²	EN 1542
Concrete adhesion	2.2 N/mm ² ±0.2	ASTM D903
Shore A hardness	>95	ASTM D2240

APPLICATION

SUBSTRATE PREPARATION

Substrate must be dry, clean, cohesive and free from contaminants. Moisture must be <5%.

- **Concrete:** prepare by shot-blasting, grinding, scarifying, or similar. Repair defects using SigilTop M or Epiconcrete.
- **Bituminous membranes or PVC:** inspect and repair blisters, tears, and detachment.

Pay attention to joints and floor-to-wall transitions; treat with SigilTop M.

PRODUCT PREPARATION

- Porous substrates
- Concrete
- Smooth concrete
- Industrial floors
- Wood
- Bituminous membranes
- Cement

APPLICATION

Ready to use. Stir slowly with a low-speed mixer until fully homogenised.

PRODUCT APPLICATION

Apply one uniform coat using a brush, roller or airless system.

WAITING TIMES

- +5°C → 9 h
- +10°C → 6 h
- +20°C → 3 h
- +30°C → 2 h

CLEANING EQUIPMENT

Clean tools immediately using BTECH Solvent. Hardened product can only be removed mechanically.

STORAGE

Store sealed at +5°C to +25°C for up to 12 months.



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WARNINGS

- Solvent-based — flammable
- Do not apply below +5°C
- Do not apply on damp surfaces (>5% moisture)
- Not suitable for newly installed bituminous membranes (<6 months)
- Do not dilute with water or unsuitable solvents
- Do not apply in case of rain, fog, or dew presence

HEALTH AND SAFETY

Refer to the latest Safety Data Sheet for instructions on handling, storage and disposal. Do not release product or empty containers into the environment.

For PROFESSIONAL USE ONLY.

LEGAL NOTICE

The information and recommendations given above, although they correspond to our best experience, must in any case be considered purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone who intends to make use of it must determine whether it is or is not suitable for the intended application and, in any case, assumes all responsibility that may arise from its use. Always refer to the latest updated version of the technical data sheet, available on the website btechitalia.eu.

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