PRIMER PU

SINGLE-COMPONENT POLYURETHANE SEALANT AND WATERPROOFING PRIMER FOR ABSORBENT CEMENT SUBSTRATES

FOR PROFESSIONAL USE ONLY

DESCRIPTION AND USAGE:
Solvent based, hygro-hardening single-component polyurethane primer for sealing and waterproofing unheated absorbent cement substrates with residual humidity up to 5% CM. Ideal as a sealant and dustproofing treatment for dry absorbent cement substrates with underfloor heating (see Other Information) and surfaces subject to high foot traffic or substrates with poor cohesion and compactness. May be mixed with sand to prepare extremely high performance synthetic mortars. Diluted by 50% with DILUENTE PU thinner, this product may be used as an excellent dustproofing treatment for absorbent mineral substrates. Once the applied product has dried, other materials may be adhered directly to the surface using only polyurethane and/or epoxy based products.

PRODUCT CHARACTERISTICS:

Appearance:	Clear brown liquid
Chemical base:	Solvent based polyurethane resin
Solid residue:	**60%**
Dilution:	DILUENTE PU thinner
Dilution ratio:	up to 50% (see instructions for use)
Application:	fleece roller or brush
Yield:	**as dustproofing treatment: 100-200 g/m² (max. 100 g/m² for dustproofing treatment of dry heated substrates)** **as sealant: 200-400 g/m² (max. 100 g/m² for sealant treatment of dry heated substrates)** **as waterproofing treatment: 300-500 g/m²** **as resin for synthetic mortar, mixed with sand in a mix ratio of 1:6/1:8 (see directions for preparing synthetic mortars)**
Application temperature:	from +10°C to +30°C
Time between coats:	**3-8 hours**
Curing time:	24 hours
Storage temperature:	from +5°C to +25°C
Storage shelf life:	12 months in original, unopened containers
Cleaning:	SOLVENTE CH 500 thinner
Usage:	**indoor**
Suitable for wheelchairs:	YES
Suitable for heated underfloors:	YES as dustproofing or sealant treatment
Safety instructions:	See safety data sheet
Packaging:	10 Kg can

INSTRUCTIONS FOR USE: The substrate must be absorbent, clean and free of cracks. If necessary, seal any cracks with SIGEPOX before application. In the case of substrates with a dense, poorly absorbent surface crust and a much more friable, absorbent underlying layer, sand or roughen the surface before application to improve penetration of PRIMER PU.
Dustproofing or sealant treatment: apply one coat of the product diluted by up to 10% DILUENTE PU thinner uniformly with a roller or brush. If necessary, depending on the absorbance of the substrate, a second coat of product neat or diluted up to 5% may be applied with criss-cross strokes, once the first coat has dried.
Waterproofing treatment in case of residual humidity: The substrate must consist of non moisture-sensitive materials. Apply a first coat of product with a roller or brush, diluting the product with DILUENTE PU thinner by up to 50% in relation to the absorbance of the substrate, to act as an impregnating and anchoring primer for subsequent coats. Once the first coat has dried completely, add a second coat of the neat product within 8-12 hours with criss-cross

strokes, and, if necessary a third coat of PRIMER PU (within 8-12 hours of the second coat) to completely saturate the surface porosity of the material.
Preparing synthetic mortars: mix PRIMER PU with dry silica sand with a suitable grain size (0.5-1 mm) in a ratio of 1:6/1:8 (one part PRIMER PU and 6-8 parts sand). The resulting synthetic mortar, with the consistency of wet sand, may be used to quickly repair holes, cracks and differences in level. Before performing the repair, we recommend applying a coat of PRIMER PU, diluted by 50%, to the area.

OTHER INFORMATION: The product cannot be applied on ceramic floors or glazed surfaces, where TRIX must be used instead. Once hardened, the product can only be removed by mechanical means. The efficacy of any waterproofing treatment for substrates subject to constant damp due to positive hydrostatic pressure cannot be guaranteed. No waterproofing treatment is possible for substrates with embedded underfloor heating and anhydrite screed or plaster substrates. PRIMER PU may be used to apply sealant or dustproofing treatments to dry substrates with heating, provided that no more than 100 g/m² of product is used. Due to this, we recommend applying with a short fibre roller. To ensure optimum adhesion when adhering other material directly to the surface using epoxy or polyurethane bicomponent adhesives, this must be done within 36 hours of application. In the event of longer times after application, we recommend sprinkling dry sand of a suitable grain size (0.5-1 mm) onto the final coat of PRIMER PU. Once the product has dried and all loose sand has been removed, the screed may be applied, onto which the flooring may subsequently be adhered. The screed must be at least 2 mm thick to lay wood floorings and at least 2 mm thick for resilient floorings. Wait for the solvent content to evaporate completely before applying materials sensitive to residual solvent (PVC, linoleum, rubber, screed/render etc.). For these materials, we recommend using EPOPRIMER, PRIMER PU 300 or PRIMER PU 150 SPEED instead. The drying times indicated in the product characteristics are for an ambient temperature of 20°C and a relative air humidity of 50%. In addition to the indications given in this product technical data sheet, always follow the application instructions provided by the manufacturers of the individual products used.

INSTRUCTIONS FOR SAFETY AND DISPOSAL: Read the relative product safety data sheet before use. Protect the hands and eyes during use. This product and the vapours it releases are easily flammable. Keep away from flame and sparks, and do not smoke during use or handling. Ventilate the area adequately during and after use. Observe applicable safety regulations. Do not dispose of residual product on soil, in surface water or in drains. When disposing of the product and other waste produced during usage, comply with the terms of Italian Law Decree 152/2006 and subsequent modifications (Unified Environmental Law). For more information, contact our technical support service. The contents of this sheet replace and supersede the contents of the previous edition.