



PRIMER PU 150 SPEED

LOW VOC, ODOURLESS, HYPOALLERGENIC, FAST-CURING SINGLE-COMPONENT POLYURETHANE PRIMER FOR SEALING AND WATERPROOFING ABSORBENT CEMENT SUBSTRATES.

FOR PROFESSIONAL USE ONLY

CERTIFICATION:



DESCRIPTION AND USAGE:

Low VOC, water-free and solvent-free odourless, fast-curing hygro-hardening single-component polyurethane primer for waterproofing and sealing unheated absorbent cement substrates with residual humidity up to 5%CM. PRIMER PU 150 SPEED is an odourless and hypoallergenic fast-curing primer with superior fluidity and excellent penetration in absorbent substrates. Ideal as a sealant and waterproofing treatment for dry absorbent cement substrates with or without underfloor heating, 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 for rendering, screeding and repairs. Coverings may be adhered directly to the treated surface using polyurethane and/or epoxy adhesives only. PRIMER PU 150 SPEED is a low VOC content product classified as EC1R by the German certification organisation GEV.

PRODUCT CHARACTERISTICS:

Appearance:	Oily, amber-coloured liquid.
Chemical base:	Isocyanate
Solid residue:	100 %
Dilution:	<u>ready to use</u> ; may be diluted with DILUENTE PU thinner if required
Dilution ratio:	up to 100% (see instructions for use)
Application:	fleece roller, brush or flexible trowel
Yield:	as dustproofing and sealant treatment: 100-200 g/m² (max. 100 g/m² for dustproofing and sealant treatment of dry heated substrates) as waterproofing treatment: 200-400 g/m² as resin for synthetic mortar, mixed with sand in a mix ratio of 1:6/1:9
Application temperature:	from +10°C to +30°C
Time between coats:	60/120 minutes
Curing time:	see table
Storage temperature:	from +5°C to +25°C
Storage shelf life:	12 months in original, unopened containers
Cleaning:	with SOLVENTE CH 500 thinner while product is still fresh
Usage:	indoor
Suitable for wheelchairs:	YES
Suitable for heated underfloors:	YES
Safety instructions:	See safety data sheet
Packaging:	standard 10 kg metal can.

INSTRUCTIONS FOR USE: The substrate must be clean, absorbent 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 150 SPEED.

Dustproofing or sealant treatment: apply one or two coats uniformly with a roller or brush, diluting the product by up to approximately 50% with DILUENTE PU thinner in relation to the absorbance of the substrate.

Waterproofing treatment in case of residual humidity: The substrate must consist of non moisture-sensitive materials. Apply a first coat of product neat with a roller or brush (or diluted by 10-15% with DILUENTE PU thinner in relation to the absorbance of the substrate), to act as an impregnating and anchoring primer for subsequent coats. Once the product has dried completely, apply a second coat (using criss-cross strokes) and, if necessary, a third coat of PRIMER PU 150 SPEED to completely saturate the surface porosity of the material.

Preparing synthetic mortars: mix PRIMER PU 150 SPEED with dry silica sand with a suitable grain size (0.5-1 mm) in a ratio of 1:6/1:9 (one part PRIMER PU 150 SPEED and 6-9 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 150 SPEED, diluted by 50%, to the area.

Wait for the product to cure completely before laying screed or render or adhering coverings directly to the surface. After application, coverings and floorings may only be adhered directly to the treated surface with polyurethane and epoxy adhesives.

YIELD/DRYING TIMES:

Type of substrate	Application	Drying time per coat (minutes)	Estimated usage (g/m ²)
Poorly absorbent substrates (gypsum, anhydrite screeds, etc.) prior to adhering coverings directly with bicomponent adhesives	Trowel	60-90	approx. 100-120 g/m ²
	Lechner Mohair roller	90-120	approx. 100-200 g/m ²
Absorbent substrates such as cement slabs	Lechner Mohair roller	60-90	approx. 150 g/m ²
Existing substrates with strongly bonded adhesive residue	Lechner Mohair roller	60-120	approx. 100-150 g/m ²

Applying quantities of primer exceeding those indicated in the table may significantly retard drying times. Applying PRIMER PU 150 SPEED at low ambient temperatures may significantly increase the minimum time between coats, final curing times and the minimum time before other material may be directly adhered to the surface.

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 150 SPEED 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 (0.4-0.6 mm) onto the final coat of PRIMER PU 150 SPEED. In case of subsequent application of cement screed, the final coat must be generously sprinkled with dry silica sand with a suitable grain size (0.4-0.6 mm) while the product is still wet. 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. When using single-component water or solvent based adhesives, the screed must be at least 3 mm thick to ensure that the adhesive dries correctly. Important: do not do this when laying parquet flooring or other similar materials. If the product is used diluted, before applying materials sensitive to residual solvent (PVC, linoleum, rubber etc.), wait for the solvent content to evaporate completely. For these materials, we recommend using EPOPRIMER instead. The drying times indicated in the product characteristics are for an ambient temperature of 20°C and a relative air humidity of 50%.

INSTRUCTIONS FOR SAFETY AND DISPOSAL: Read the relative product safety data sheet before use. Protect the hands and eyes during use. The product itself is not flammable, but will release flammable vapours if diluted. When using diluted, keep away from flame and sparks and do not smoke. 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.

NOTE: The information given herein is based on our extensive theoretical and practical knowledge. However, as it is impossible to go into exhaustive detail, the contents of this sheet are not binding in nature. Please contact our technical service in case of any doubt.