Technical Datasheet

PRIMER-PU 140

Two- component, solvent-free polyurethane primer for substrates with high moisture content

Description

Polyurethane two-component primer used to create the proper adhesion conditions for ISOFLEX-PU polyurethane liquid waterproofing membranes. It penetrates deep into the pores of the substrate and stabilizes it while acting as a bonding layer with ISOFLEX-PU membranes.
Recommended for substrates with high moisture content to ensure that no problem will occur on the surface of ISOFLEX-PU membranes.
Ideal for interior use as it is solvent-free and almost odorless.

Fields of application

PRIMER-PU 140 is used as a primer to ensure proper adhesion of ISOFLEX-PU membranes to porous and non-porous substrates such as concrete, cement screeds, wood, old waterproofing layers, bituminous membranes, etc.

Technical data

Form:	polyurethane, two-component resin
Color:	brown
Density (A+B):	1.06 kg/l
Viscosity:	1,500 mPa·sec (+23°C)
Mixing ratio (A:B):	60:40 by weight
Pot life:	15-20 min (+23°C)
Overcoat time:	
• At +23°C:	after approx. 3 h
• At +0°C:	after approx. 8 h
• At -10°C:	after approx. 20 h

Adhesion to concrete: > 4 N/mm^2
(EN 1542)

Directions for use

1. Substrate preparation
The substrate to be primed has to be free of loose materials, dust, oil, contaminants, etc.

2. Application
Components A (resin) and B (hardener) are packaged in two separate containers, at the correct predetermined mixing ratio by weight. The entire contents of component B is added to component A and the two components are mixed for about 2-3 minutes with a low-speed mixer (300 rpm). It is important to stir the mixture thoroughly near the sides and bottom of the container to achieve uniform dispersion of the hardener. It is recommended to let the mixture rest for a few minutes before application so that the entrapped air may escape.
PRIMER-PU 140 is applied with a roller or brush in one coat.
For better workability, reduced consumption and increased working time, it may be thinned 5-10% by weight, only with SM-28 solvent. Thinning is also recommended for application to dry, non-porous concrete. It should not be thinned though for application to wet substrates.

Tools should be cleaned with SM-28 special solvent while PRIMER-PU 140 is still fresh.

Consumption

100-250 g/m^2 depending on substrate absorbency.

Packaging

4 kg and 20 kg containers.

PRIMER-PU 140

Shelf life – Storage

12 months from production date, in spaces protected from moisture and direct sunlight. It may be temporarily stored at low temperatures (down to -10°C), provided that the packaging will be gradually heated up to +23°C before use.

Remarks

- Temperature during application and drying of the product should be between -10°C and +35°C.
- PRIMER-PU 140 is intended for professional use only.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory j, type SB is 500 g/l (2010) for the ready-to-use product.
The ready-to-use product PRIMER-PU 140 contains a maximum of 500 g/l VOC.

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