PRIMER PU 2K BIO

Two-component polyurethane biobased primer



DESCRIPTION

Primer PU 2K BIO is a two-component primer based on a biobased polyurethane, that is, it contains renewable raw materials of vegetable origin.

APPLICATION

Adhesion primer and sealer of porous and dry supports, applied to roller. Specially designed as a primer layer for biobased polyurethanes for cold or hot application. The high viscosity of the mixture allows to improve the cohesion strength of poorly cohesive supports, for example, lightened mortars.

TECHNICAL DATA

PRODUCT INFORMATION BEFORE APPLICATION					
	Compon	ent A	Component B		
Description	Polyol mixture		Solvent-free polyisocyanate		
Physical state	Liquid		Liquid		
Packaging	Metal container		Metal container		
0 0	12.6 kg		5.4 kg		
Non-volatile con-			400		
tent (%)	approx. 100		100		
Flash point	>100°C		>100°C		
Colour	Yellow		Dark brown		
Density	Temperature	Density	Tempera-	Density	
	(°C)	(g/cm³)	ture (°C)	(g/cm³)	
	25	1,01	25	1,23	
Viscosity	Temperature	Viscosity	Tempera-	Viscosity	
Approximate val-	(°C)	(mPa.s)	ture (°C)	(mPa.s)	
ues Brookfield					
	15	6000	25	200	
	25 35	2800 800			
A/B mixing ratio	33	A=100, B=43.	5 by weight		
705 mixing ratio		A=100, B=36.6	, 0		
		,	,		
Initial properties of	Viscosity: 2000 mPa.s (25°C)				
the mixture	Color: milky yellow				
Pot life		ditions	Pot life		
		00g) 40% rh	(min) 35		
_	·				
Storage	Between 10°C and 30°, protected from moisture				
Use before	12 months				

State	Solid polyurethane
Colour	Light yellow
Hardness (Shore)	65-70D (ISO 868)
Mechanical properties	Maximum elongation: <47% (ISO 527-3) Traction: 16.5 MPa (ISO 527-3) Tear strength: 74 N/mm (ISO 34-1)
UV resistance	Primer PU 2k BIO changes color with sun exposure, without changing mechanical properties.

Temperatures of Stable between -15°C and 80°C. use

SUPPORT REQUIREMENTS

To obtain good adhesion, the support must always meet the following features:

- 1. Leveled.
- 2. Cohesive, ideally with a minimum resistance of 1.5 N/mm² (pull off test)
- 3. Regular appearance.
- 4. Free from cracks. If there are, they must be treated previously.
- Healthy, clean, dry, free of dust or traces of loose materials or particles, without surface grouts and free of fats, oils and mosses and other contaminants.

ENVIRONMENTAL CONDITIONS

The air temperature should be between 10°C and 40°C. The relative humidity should be less than 70%.

If the temperature of the resin is above 30°C at the time of mixing the two components, there is a risk that the working time will be too short. Very low temperatures, curing time can be too slow.

Support humidity less than 4%.

The temperature of the support must be at least 3°C above the dew point to avoid condensation on the surface.

APPLICATION

Homogenize the two components before mixing. Mix components A and B and homogenize the mixture using a low-rev agitator. Avoid mixing more material than the usable amount within the shelf-life window.

Apply between 200 and 500 g/m 2 of undiluted product per layer. Other amounts are possible when used with dilution.

In highly absorbent substrates, a first layer can be diluted, followed by a second undiluted layer. Do not apply on hot surfaces.

Always use enough resin to ensure complete sealing of the porous surface.

In large areas, it is recommended to sprinkle some quartz sand on the resin just applied, in order to obtain a rough finish surface, improving the adhesion of the next layer of polyurethane.

SAFETY

Primer PU 2k BIO contains isocyanates. Always follow the instructions on the safety sheet of this product and adopt the protective measures described therein. In general, adequate ventilation should be ensured and contact with the skin avoided. The product should be used only for the purposes and in the prescribed manner. This product should be intended for industrial and professional uses only. It is not suitable for DIY use.

ENVIRONMENTAL PRECATIONS

Empty containers should be handled with the same precautions as if they were full. Consider packaging as waste to be treated by an authorized waste manager. If the containers contain debris, do not mix them with other products without previously ruling out possible dangerous reactions.

OTHER INFORMATION

The information contained in this TECHNICAL SHEET, as well as our advice, both written and provided verbally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as a guarantee for the applicator, who must take them as merely indicative references and with strictly informative value.

We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient



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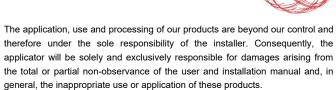
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that they carry out tests "in situ", to determine the suitability of a treatment in the place, with the purpose and in the specific conditions that occur in each case.

Our recommendations do not exempt the applicator from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many previous tests as are appropriate if the suitability of these for any work, installation or repair is doubted, taking into account the specific circumstances in which the product will be used.



This data sheet overrides the previous ones



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