POLYUREA PRIMER FLEX

Fast curing, flexible polyurea primer



Fast curing, cold-applied two component pure polyurea based primer. Especially designed for applications on flexible supports.

APPLICATION

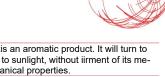
As adhesion layer of flexible substrates (PVC, EPDM, asphalt felts ... except polyolefins) which must be renewed with membranes applied in liquid form, especially hot-applied ones.

TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION				
	Component A		Component B	
Chemical description	One component polyurethane		Polyamine	
Physical state	Liquid		Liquid	
Packaging	Metal container		Metal container	
(predosed kit	20 kg		2 kg	
	4 kg		0.4 kg	
A+B)				
Non-volatile con- tent (%)	60% in weight		100% in weight	
Flash Point	36°C		81°C	
Colour	light yellow		light yellow	
VOC	30%		0%	
Density	Temperature (°C)	Density (g/cm³)	Temperature (°C)	Density (g/cm³)
	25	1.0	25	0.9
Viscosity (Brook-				
field)	Temperature	Viscosity	Temperature	Viscosity

		(3 - 7		(5 - 7	
	25	1.0	25	0.9	
Viscosity (Brook-					
field)	Temperature	Viscosity	Temperature	Viscosity	
	(°C)	(mPa.s)	(°C)	(mPa.s)	
	10	800	10		
	25	350	25	<20	
	35	270	35		
A/B Ratio	A=100, B=10 in weight A=100, B=11 in volume				
Mixture proper- ties	Density: 0.95-1.00 g/cm ³ Viscosity: 240 mPa.s Colour: slightly yellow				
Pot life	Conditions (100g)		Pot life (min)		
	25°C, 40% hr		60		
	In contact with air, the product can form a surface skin in the packaging Remove the skin, if formed, and continue the application High temperatures and humidities reduce working time				
Storage	Store between 10° and 30°C, protected from humidity.				
Expiration	12 months after manufacturing date, in its original, unopened				

INFORMATION ON THE FINAL PRODUCT		
Final State	Flexible solid membrane	
Colour	Colourless, slightly yellow	
Hardness (Shore)	75A	
Mechanical pro- perties	Max. elongation: 540% Tensile stress: 19 MPa	
Adhesion	Concrete: >5 N/mm² (EN 13892-8)	



UV resistance	Polyurea Primer Flexis an aromatic product. It will turn to yellow when exposed to sunlight, without iirment of its me- chanical properties.	
Thermal resis- tance	Stable up to 80°C.	

SUPPORT REQUIREMENTS

Support should present the following mechanical properties:

Cohesion: minimum 1,5 MPa.

Compressive strength: minimum 25 MPa.

Support must be completely free of water or water vapour.

The surface must be clean, dry and free of any area with less or no grip, and with a moisture content of less than 4%. It should be especially free of oil stains, grease, cured product, and any substance that could interfere with adhesion. Substrate temperature should be between 10 ° C and 25 ° C.

If you suspect the presence of moisture in the support, use an appropriate primer. Consult Krypton Chemical for the types of primer.

On concrete or fresh mortar, you must wait at least 21 days before applying this system so that drying of the support is allowed

CONSUMPTION

Expect a consumption of 200-400 g/m²

AMBIENTAL CONDITIONS

Air temperature should be between +10 and +30 °C.

MIXING

Open the container of component A. Shake the product mechanically at low speed to avoid excessive intake of air. Homogenization of component A should be in about 2 minutes. Then pour component B into the container of component A and mix in the same way for 2 minutes. Pour the mixture into a larger container and verify that there remains no material unmixed.

CURING TIME

Curing time depends strongly on the ambiental conditions. The higher the temperature and humidity are, the faster Polyurea Primer Flex cures

Conditions	Dry to touch (minutes)
25°C, 40% hr, 200 g/m²	35
10°C, 50% hr, 200 g/m²	60
25°C, 50% hr, 500 g/m²	40

Pot life is long enough to be able to apply the resin on top (when the consumption is higher). Theoretically you can throw the aggregate over it, as long as the humidity is not higher than 80%.

TOOL CLEANING

Components A and B can be cleaned with Rayston solvent. Cured product can only be removed with special Paint Stripper.

SECURITY

This product contains isocyanates and polyamines. Always follow the instructions provided in the material safety data sheet and take the precautions described there. As a general rule, suitable ventilation must be ensured and any skin contact avoided. This product is intended to be used only for the uses and in the way here described. This product is to be used only by industrial or professional users. It is not suitable for DIY-type uses.

ENVIRONMENT

Empty containers must be handled taking the same precautions as if they were full. Containers must be considered as hazardous waste, to be transferred to an



KRYPTON CHEMICAL SL

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container.

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authorized waste manager. Waste containers with small amounts (less than 5 litres) of uncured product can be allowed to dry before sending to treatment.

OTHER INFORMATION

The information contained in this DATA SHEET, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend studying deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.



Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This data sheet supersedes previous versions.





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