



## Water based aliphatic PU elastic topcoat

### DESCRIPTION

**Water-based, 2-component polyurethane topcoat** for protection of elastic waterproofing aromatic polyurethane/polyurea membranes. Pigmented. Protects against UV and provides colour-stable appearance.

### APPLICATION

General Polyurea and Impermax 2k topcoat protection, where a water-based product is desired. Application in roofs or surfaces not intended for traffic, or limited to maintenance. Protection of diverse materials (wood, metal, etc) against weathering where an elastic, water permeable, coating is needed.

### ADVANTAGES

Seamless membrane, elastic, weather resistant. Quick cure, solvent free.

### CERTIFICATIONS

#### CE marking

ETA (ETAG005): European Technical Assessment document N° 16/0148



### TECHNICAL DATA

BEFORE APPLICATION		
	Component A	Component B
<b>Chemical description</b>	Water polyol dispersion	Water-dispersible polyisocyanate
<b>Physical state</b>	Liquid	Liquid
<b>Packaging</b>	Plastic container 14 kg	Metal container 1 kg
<b>Non-volatile content</b>	65%	100%
<b>Flash point</b>	>150°C	>100°C
<b>Colour</b>	Variable	Colourless
<b>Density</b>	1,3 g/cm <sup>3</sup>	1,15 g/cm <sup>3</sup>
<b>Viscosity</b> Approximate, Brookfield	<1000 mPa.s (25°C)	450 mPa.s (25°C)
<b>VOC (g/L i %)</b> Class VOC	10 g/L, 1% A, i	0
<b>Mixing ratio</b>	A=100, B=6.9 by weight A=100, B=7.8 by volume	
<b>Mixture properties</b>	Density: 1,3 g/cm <sup>3</sup> Viscosity <1000 .s Colour: variable according to pigments	
<b>Pot life</b>	<1 h (25°C)	
<b>Storage and shelf-life</b>	Keep below 35°C, away from moisture. Frost sensitive. Expiration date: 12 months after manufacture.	
FINAL PRODUCT		
<b>Final state</b>	Elastomeric solid membrane	
<b>Colour</b>	Depends on the pigmentation	
<b>Hardness (Shore)</b> (ISO 868)	84A, 30D	
<b>Solid density</b>	1,35 g/cm <sup>3</sup>	
<b>Mechanical properties</b>	Maximum elongation:100% Tensile strength: 9 MPa (EN-ISO 527-3)	
<b>UV resistance</b>	UV resistant due to aliphatic PU composition. Non yellowing.	
<b>Gloxx</b>	<5% (at 60°, 150 microns)	

### SUPPORT REQUIREMENTS

Support must be clean, dry and free from contaminated or non-adherent areas. Free from oil stains, grease, old coatings and any material that would impair adhesion.

Support temperature must be between 10°C and 30°C

On new concrete, wait at least 21 days before application, allowing the support to be completely dry.

### HUMIDITY AND TEMPERATURE

Ambient temperature must be between +10°C and +30°C. Relative humidity must be below 80%.

### SUPPORT PREPARATION

On Polyurea/Impermax 2k-type membranes: clean, if necessary the old surface with Rayston solvent before application.

On a recently applied membrane: Apply always on a clean membrane. If needed, clean gently before application with a solvent like MEK, xylene, or Rayston solvent or Slow solvent.

Apply a coat of Impertrans ECO as a topcoat a few hours after application of the hot-applied membrane to ensure good adhesion.

On cold applied membranes (e.g Impermax Cold Polyurea) apply Impertrans ECO before 24 hours.

On old coatings or membranes. Clean gently before application with a solvent like MEK, xylene, or Rayston solvent or Slow solvent. Apply an intermediate coat of Primer PU, and apply Impertrans ECO afterwards.

Other materials. Use a suitable primer for each case.

### MIXING

Open the component A container. Pour component B in it and stir gently for 2 minutes. Transfer the mixture to a bigger container and check there is no unmixed product left.

### APPLICATION

Use a suitable paint roller.

### CONSUMPTION

Use 200 to 300 g/m<sup>2</sup>, each coat. Final quantity depends on the opacity and color of the base membrane. In order to get better results, it is recommended using the same color for the base membrane and Impertrans ECO. Some colours (e.g. white) may require two or three coats for a good hiding power.

### DRYING TIME

Curing time depends strongly on the local conditions. Curing speed will increase with temperature and decrease with humidity. Following data refer to 200 g/m<sup>2</sup> applications.

Temperature (°C)	Relative humidity (%)	Touch dry (h)
20	50	2
7	60	6-8

### RETURN TO SERVICE

Under usual conditions (25°C, 50% rh) the material achieves 90% of its properties after 3 or 4 days. Final hardness is expected in 10 to 15 days. It is recommended to wait until the before allowing light traffic on this material.



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### TOOL CLEANING

Component A and B can be cleaned with water. Cured product cannot be dissolved, unless special stripping products are used.

### FAQ

Question	Answer
¿Can it be diluted?	Up to 10% with water

### MAINTENANCE

Contact with some solvents can damage the material.

### SAFETY

Component B contains isocyanates. Always follow the instructions provided in the material safety data sheet and take the precautions described there. As a general rule, a 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. Sprayed application methods are not recommended due to health/safety reasons. This product is to be used only by industrial or professional users. It is not suitable for DIY-type uses.

### ENVIRONMENTAL PRECAUTIONS

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 authorized waste manager. Do not mix waste A and B before ensuring no hazardous reactions can occur.

### INFORMACIÓN COMPLEMENTARIA

The information contained in this Technical 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 to study 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 Technical Data Sheet supersedes previous versions.