

## 100% solids polyurethane waterproofing membrane

### DESCRIPTION

One component solventless waterproofing coating. Upon polymerization, forms an elastomeric seamless polyurethane coating, fully bonded to the substrate. Material not classified as hazardous for transportation-Non flammable.

### APPLICATION

It can be applied on different substrates using a suitable primer (concrete, fibrous cement, brick, ceramic tiles, bituminous products, steel, zinc, aluminium surfaces)

- Roofs, balconies, terraces
- Bathrooms, kitchens.
- Stairs, stands.

### PROPERTIES

- Crack bridging ability.
- Elastic membrane.

### TECHNICAL DATA

#### INFORMATION ON THE PRODUCT BEFORE APPLICATION

<b>Chemical description</b>	Polyisocyanate prepolymer	
<b>Physical state</b>	Liquid	
<b>Packaging</b>	Metal container	
	25 kg	
	5kg	
	1kg	
<b>Non-volatile content (%)</b>	100%	
<b>Flash point</b>	>100°C	
<b>Density</b>	1.3 g/cm <sup>3</sup> (20°C)	
<b>Viscosity</b>	approximate Brookfield	
	<b>Temp (°C)</b>	<b>Viscosity (mPa.s)</b>
	20	5000-10000
<b>Colour</b>	Red. Other colours available on request	
<b>Pot life</b>	2h	
<b>Storage</b>	Keep between 10° y 30°C (recommended).	
<b>Use before</b>	12 months after manufacture (Note: 9 months if component A is black pigmented), provided it is kept in its sealed container	

#### INFORMATION ON THE FINAL PRODUCT

<b>Final state</b>	Solid elastomeric membrane	
<b>Colour</b>	Standard colour is Red. Other colours available under request.	
<b>Hardness (shore)</b>	63A (ISO 868)	
<b>Mechanical properties</b>	Elongation (EN-ISO 527-3): 375 % Tensile strength(EN-ISO 527-3): 1.8 MPa	
<b>Adhesion strength</b>	<b>Surface</b>	<b>Adhesion (MPa)</b>
	Fibrous cement (EP primer)	>1,5
<b>UV resistance</b>	Good resistance to UV-induced degradation. Aromatic polyurethanes undergo change of colour under sunlight. This change does not affect its mechanical properties.	

### SUPPORT REQUIREMENTS

In order to achieve a good penetration and bonding, support must be:

- 1.Flat and levelled
2. Compact and cohesive (pull off test must show a minimum resistance of 1,5 N/mm<sup>2</sup>).
3. Even and regular surface
4. Free from cracks and fissures. If any, they must be previously repaired.
5. Clean and dry, free of dust, loose particles, oils, organic residues or laitance

### RECOMMENDED ENVIRONMENTAL CONDITIONS

Substrate temperature should be between 0°C and 30°C. If higher than 45°C will reduce working time and cause bubbling and surface defects.

Air temperature should be between 10°C and 30°C. Higher temperatures reduce working time and cause bubbles and surface defects.

High humidity can cause an important decrease of working time and bubble formation under the coating surface.

### SUPPORT PREPARATION

It is required to treat the critical spots by application of a reinforcement (e.g fiberglass, geotextile)

### MIXING

Stir and homogenise gently to prevent air pick-up. Wait a few minutes before application. If deemed necessary, up to 10% of Rayston solvent may be added, if possible. Never use universal solvents (e.g. with alcohols or white spirit)

### APPLICATION GUIDELINES

Apply with roller, spreader. If two coats are applied, it is advisable to use different colours. Usually, each coat is 1 kg/m<sup>2</sup>.

It is recommended to consume entirely each container. If not, the residues may harden superficially.

### CURING TIME

Curing time for mixtures 1 mm thick, approximate:

Conditions	Dry to touch
23°C, 23% rh	4-5h

### TOOL CLEANING

Use Rayston solvent for general cleaning.

### SAFETY

Always follow the safety instructions in the Material Safety Data Sheet. As a general rule, a good ventilation is needed) along with protective clothing. This product must be used only for the applications here described. This product is intended for industrial and professional use. It is not suitable for DIY-type applications.

### ENVIRONMENTAL PRECAUTIONS

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product with no knowledge of potential dangerous reactions.

### 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 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.



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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.**