



DESCRIPTION

One component, solvent free, moisture-cured polyurethane-based waterproofing coating. Upon polymerization forms an elastomeric, thermosetting, seamless and continuous membrane, fully bonded to the substrate. Resin not classified as hazardous for transport. 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.

CERTIFICATION

CE marking EN 1504-2: 0370-CPR-2247,
Certificate of behavior to an outdoor fire B_{roof} (t4)



TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION

Chemical description	Polyisocyanate prepolymer	
Physical state	Liquid	
Packaging	Metal container	
	25 kg	
	6kg	
Non-volatile content (%)	100%	
Flash point	>100°C	
Density	1.3 g/cm ³ (20°C)	
Viscosity approximate Brookfield	Temp (°C)	Viscosity (mPa.s)
	33	5100
	25	8100
	10	22000
	4	25000
VOC (g/l and %)	0%	
Colour	Dark grey (similar to RAL 7011). Other colours available on request.	
Pot life	2h	
Storage	Keep between 10° y 30°C (recommended). Use before 6 months	
Use before	6 months if kept in its sealed container	

INFORMATION ON THE FINAL PRODUCT

Final state	Solid elastomeric membrane	
Colour	Dark grey (similar to RAL 7011). Other colours available on request.	
Hardness (shore)	63A (ISO 868)	
Mechanical properties	Maximum elongation (EN-ISO 527-3): 375 % Tensile strength (EN-ISO 527-3): 1.8 MPa	
Adhesion strength	Surface	Adhesion (MPa)
	Fibrous cement (EP primer)	>1,5

UV resistance

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. Coct and cohesive (pull off test must show a minimum resistance of 1,5 N/mm²).
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.
Air temperature should be 5°C and rising. 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.

APPLICATION GUIDELINES

Apply with roller, spreader. If two coats are applied, it is advisable to use different colours. Usually, each coat is 1 kg/m².

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	1 h
15°C, 60% rh	2,5 h

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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IMPERMAX SF

RAYSTON
products



100% solids polyurethane waterproofing membrane

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 in-

staller 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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