

POROSITY SEALER FLEX 100

RAYSTON
products



One component polyurethane primer

DESCRIPTION

One Flexible, solvent free primer for bituminous surfaces for a further application of water proofing systems with polyurethane resins or polyurea. It reticulates in contact with environmental humidity, creating a flexible coating.

TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION

Chemical description	100% solids single-component aromatic polyurethane
Physical state	Liquid
Packaging	Metal containers, 20 kg
Non-volatile content (%)	100%
Flash point	>120°C (ASTM D 93)
Available colour	Light yellow
Density	1,05 g/cm ³ (20°C)
Viscosity	Approximate values

approximate Brookfield

Temp (°C)	Viscosity (mPa.s)
5	20000
15	7000
25	3000
35	1000

Pot life	3 h (1 kg, 20°C, 50% rh) 5 h (1kg, 5°C, 60% rh)
Storage	Keep at a temperature below 35°C, away from moisture
Use before	Product may be used up to 12 months after manufacture in its sealed original container.

INFORMATION ON THE FINAL PRODUCT

Final state	Solid elastomeric membrane
Colour	Yellowish
Hardness (shore)	87A
Density of film	1,05 g/cm ³
Mechanical properties	Elongation: 190% Stress (mPa): 6.1mPa
Tear strength	6,1 N/mm.
UV resistance	A colour change is expected due to its aromatic polyurethane composition. This discolouration does not affect its mechanical properties.
Thermal resistance	Stable up to 80°C

SUPPORT REQUIREMENTS

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

- 1.Flat
2. Even and regular surface
3. Free from cracks and fissures. If any, they must be previously repaired.
4. Clean and dry, free of dust, loose particles, oils, organic residues or laitance.

RECOMMENDED AMBIENTAL CONDITIONS

Support temperature should be between 10°C and 30°C. At higher temperatures, specific precautionary measures must be taken. Please follow manufacturer advice.

Air temperature must be between 10°C and 30°C. Support moisture should be less than 4% and less than 85% in the air.

High temperature and moisture conditions can lead to bubbling/foaming

APPLICATION GUIDELINES

Support must be cleaned and residues (dust, mould, etc) removed. Apply by brush or spatula

APPLICATION

Apply with spatula or roller, between 300-400 g/m²

CURING TIME

Curing time is dependent on the environmental conditions. Curing rate increases with temperature and humidity rises. The following table gives a rough estimation of the curing time under diverse conditions for a 1 mm coat.

Temperature (°C)	RH (%)	Dry to touch (h)
20	50	6
20	70	3
20	15	40
5	60	20
5	85	7

TOOL CLEANING

Liquid Porosity Sealer Flex 100 can be cleaned with Rayston Solvent. Once hardened, it cannot be dissolved.

SAFETY

Porosity Sealer Flex 100 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 all contact with skin prevented. 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.

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. If there is some residual product in the containers, do not mix it with other substances without checking for possible 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.

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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Page:

1/1

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