RAYSTON SPRAY PRIMER 150

Waterproofing foam spray

DESCRIPTION

RAYSTON SPRAY PRIMER 150 is a high density Polyurethane foam, applied by hot spray machinery. Its high hardness and density, levelled and uniform final aspect and great adhesion strength on most substrates make it a very good primer on un-even substrates (asbestos roofs, concrete, etc) on which there is a need for waterproofing with HOT SPRAY RAYSTON membranes (Impermax 2K, Impermax Polyurea H, Polyurea RAYSTON) with a minimum waiting time between layers.

ADVANTAGE OF THE SYSTEM

- Great hardness and compression strength.
- High density material cells. Allows to achieve savings in the consumption of membrane to obtain a high quality waterproofing elastomer, free of defects or pinholes which are common when spraying onto low density foam with a high % of open cells.
- Extremely fast curing. Allows conducting works at very high speed

PROCESSING

The technology for this process consists in spray application of both components through an appropriate machine, on the surface to be treated. The foam reacts on this surface bonding to it instantaneously.
The optimum application of the product and its appropriateness for each different use will depend on the correct attention to the following points:

Machine conditions:

- Mix ratio: 1:1 by volume
- Temperature of reactants: 30 – 50 ºC
- Pressure of reactants: 50 – 80 Bar

Environmental conditions:

- Ambient temperature: Between +5 and +40 ºC
- Relative humidity in air: < 85 %
- Wind speed: < 30 km/h

Substrate conditions:

- Substrate temperature: Between +5 y +40 ºC
- Humidity content in substrate: On porous substrates < 6%
- On non-porous substrates: Free of surface condensation

Thickness of application for each layer must be between 1 and 1,5 cm. For the best quality foam, it is not advised to exceed this thickness per layer.

The distance between the spray gun and the surface may vary, but it is advised to respect approx. 80 cm.

Application of the sprayed waterproofing membrane on Rayston Spray Primer 150 must be done within one hour after primer application for best adhesion results

TECHNICAL DATA

INFORMATION ON THE PRODUCT BEFORE APPLICATION		
	Component A (Polyol)	**Component B (isocyanate)**
Packaging	metal container 240 kg	metal container, 250 kg
Viscosity 25ºC	250-350 .s	160-240 .s
Density 23ºC	1.16	1.23
Handling	Product handling must be conducted as per the product specifications, and advice given by Krypton Chemical technical advisers.	
Storage	Keep between 10º y 30ºC	
Use before	3 month	6 month

INFORMATION ON THE FINAL PRODUCT	
Processing data	Mixing ratio: A:1, B:1 by volume Start time: 5 s Gel time: 12 s Free rise density: 95-140 kg/m3 Data obtained from laboratory test. Real processing and density data will depend on the existing conditions and spray method.
Foam characteristics	The data indicated in the following table corresponds to typical and approximate values for this system. The tests have been done on foam that has been applied by spraying. The compression test has been conducted in a parallel sense to the rise of the foam. Compressive strength (EN826): 400 kPa Thermal conductivity (EN12667): approx 0.03 W/mK Closed cell content (ISO 4590): >95

CONSUMPTION

Use approx 1 kg/m2 for a 1-cm thick foam layer

SAFETY

B component in this formulation (Isocyanate) irritates eyes, respiratory tracks and skin. There is a possible reaction by inhalation and skin contact.. Inhalation of PMDI is harmful, and there may be irreversible effects. Isocyanate is harmful to aquatic organisms and may have negative long term effects on water quality. During product handling precaution measures must be observed as per material safety data sheet for this product. There are also some possible dangers in the A Component (Polyol) and other additives. Please check country specific regulations on the elimination of residues.

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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