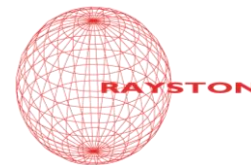


RAYSTON SPRAY FOAM HFO 200



Rigid bi-component polyurethane foam

DESCRIPTION

Rayston Spray Foam HFO 200 is a **two-component** rigid polyurethane foam system (polyol + isocyanate). It is free of substances that damage the ozone layer, as well as fluorinated greenhouse gases. It does not contain HFC's. It does not contain hazardous substances that can be considered hazardous waste in construction and demolition. It does not contain fibers or bio-hazardous products or susceptible to being so. The expansion agent is HFO (trans-1-chloro-3,3,3-trifluoropropene).

APPLICATIONS

Rayston Spray Foam HFO 200 is a product indicated for the mechanical protection of thermal insulation with polyurethane foam projected by direct projection on the support in applications such as vertical and interior walls of roofs, not subjected to weight permanent. Applied on facades it provides waterproofing to water, maintaining some transpiration of the constructive solution.

TERMS OF USE

Polyol:Isocyanate Mixture ratio 100: 100 in volume / 100:107 in weight

Component temperature 40 – 60 °C

Working pressure 60 – 120 Bar

Ambient temperature 0 to 40 °C

Relative humidity of the air < 90 %

Wind speed < 30 kph

Stand temperature 0 - 40 °C

Support moisture No surface condensation

COMPONENT AND REACTIVITY INFORMATION

	POLYOL	ISOCYANATE	Method / Standard
Hydroxyl index	200-250mg KOH	-	
Viscosity	400-650 mPa.s	180-250 mPa.s	
Content in NCO	-	30-32 %	
Water content	0,5 -1%	-	ISO 14897
Cream time	4+/-1 seconds		
Thread time	11+/- 1 seconds		
Free density in glass	160-180 gr/l		

PROPERTIES

Applied density	180-220 gr/l	(UNE IN 1602)
Short-term water absorption	≤ 0.2	Int-0-12
Resistance factor to the diffusion of water vapour (μ)	≥ 200	Int-0-12
Closed-cell content	≥ 90%	Does not allow the passage of water

PRODUCT PRESERVATION

The components should be stored between 10 and 25°C (both polyol and isocyanate), protected against the entry of moisture at all times, and avoiding direct exposure to the sun. The optimal period for consumption is 6 months for polyol and 6 months for isocyanate, from the moment of manufacture, under adequate storage conditions and always keeping the product in the original containers.

TOOL CLEANING

After applying the product, it is important to pay attention to the cleanliness of the machine to avoid contamination in the next use of a different system with the same machine. The use of solvents for cleaning machine components is discouraged. A plasticizing cleaning fluid, such as Rayston Fluid, is suitable. Component B must be completely removed from all parts exposed to air and replaced with this cleaning liquid.

SAFETY

Component B of Rayston Spray Foam HFO 200 contains isocyanates. Always follow the safety instructions in the Material Safety Data Sheet. As a rule, good ventilation and /or respiratory protection (combined organic steam filters + particles) is needed along with protective clothing. This product should be used only for the applications described herein. This product is designed for industrial and professional use. It is not suitable for DIY type applications.

RECOMMENDATIONS FOR THE ENVIRONMENT

Empty containers should 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, do not mix it with another product without knowledge of possible dangerous reactions. Components A and B can be mixed in a ratio of 1/1 to obtain an inert material, but never done in volumes greater than 5 liters to avoid a dangerous evolution of heat.

ADDITIONAL INFORMATION

The information contained in this TECHNICAL SHEET, as well as our advice, both written and provided verbally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as a guarantee for the applicator, who must take them as merely indicative references and with strictly informative value.

We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient that they carry out tests "in situ", to determine the suitability of a treatment in the place, with the purpose and in the specific conditions that occur in each case.

Our recommendations do not exempt from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many previous tests as are appropriate if the suitability of these for any work, installation or repair is doubted, taking into account the specific circumstances in which the product is going to be used.

The application, use and processing of our products are beyond our control and therefore under the sole responsibility of the installer. Consequently, the applicator will be solely and exclusively responsible for damages arising from the total or partial non-observance of the user and installation manual and, in general, from the inappropriate use or application of these products.

This data sheet overrides the previous ones.

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