

Insulation foam laminate for roofing

DESCRIPTION

Rayston Foam is a rigid polyisocyanurate foam laminated on both faces with a fiber glass sheet. It is a thermal insulation product for deck-type roofing systems. Recommended use in the Rayston STRAT system, which combines thermal insulation and waterproofing properties in a combined application.



Rayston Foam has an excellent fire resistance and dimensional stability, due to its fiber glass coating. Rayston Foam exhibits good mechanical properties, being also an easy to handle and install material.

- Moderate thickness needed, thanks to its low thermal transmission rate.
- Rigid but lightweight laminate
- Easy to handle.



TECHNICAL DATA

PRODUCT DATA

Chemical description Polyisocyanurate foam coated with fiberglass

Physical state Rigid solid

Compression resistance 160 kPa

Thermal conductivity (λ)

Laminate dimensions (mm)	Thickness (mm)	Thermal conductivity λ (W/mK)	Thermal resistance R (m ² K/W)
2500 x1200 mm (3 m ²)	25	0.028	0.85
	30		1.05
	40		1.4
	50		1.75
	60		2.1
	70	2.5	
	80	0.027	2.95
	100		3.7
	200		4.4

Dimensional stability (48h, 70°C, 90%rh) Wide, long. $\Delta L < 1\%$
Thickness: $\Delta L < 4\%$

Water absorption <2%

Density 40 kg/m³

Packaging

Laminate dimensions (mm)	Thickness (mm)	Units/package	M ² /Pallet
2500 x 1200 mm (3 m ²)	25	20	300
	30	16	240
	40	12	180
	50	10	150
	60	8	120
	70	7	105

80	6	90
100	5	75
120	4	60

Colour light brown

Storage Keep indoor, in a dry place, at 5°C-35°C.

Use before 24 months after manufacturing date.

USE CONDITIONS AND APPLICATION GUIDELINES

Please refer to the technical information on the Rayston Strat System

SAFETY

Inert material

ENVIRONMENTAL PRECAUTIONS

Inert waste. Recyclable

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.