

## Self-Adhesive Bituminous Reinforced Membrane Total Vapour Barrier for Roof Application.



### DESCRIPTION

Rayston Vel Plus is a self-adhesive bituminous waterproofing membrane that forms a total barrier against vapour.

The product consists of a self-adhesive low-thickness bituminous compound, self-protected by a reinforced aluminium foil and a fibreglass net. The so composed film makes the membrane resistant to heavy worksite traffic and suitable for applications that involve high mechanical stresses.

### CHARACTERISTICS

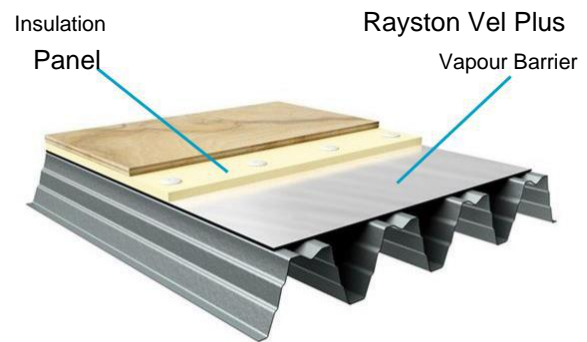
- Total Vapour Barrier;
- Excellent tensile strength;
- Waterproof & Self-adhesive;
- Self-sealing;
- Cold applied without use of flames.

### TECHNICAL DATA

PRODUCT INFORMATION BEFORE APPLICATION		
CHARACTERISTICS	VALUES	TEST
<b>Thickness</b>	0.6 mm *	EN 1849-1
<b>Tensile Strength</b>	Long. 600 N/50mm   Trans. 600 N/50mm	EN 12311-1
<b>Elongation at Break</b>	Long. 4%   Trans. 4%	EN 12311-1
<b>Static Load Resistance</b>	Met. A 20 Kg   Met. B 20 Kg	EN 12730
<b>Tear Resistance</b>	Long. 190 N   Trans. 190 N	EN 12310-1
<b>Peel Resistance of Joints</b>	35 N/50mm	EN 12316-1
<b>Shear Resistance of Joints</b>	Long. 480 N/50mm   Trans. 450 N/50mm	EN 12317-1
<b>Impermeability</b>	Pass (≥ 60 Kpa)	EN 1928
<b>Water Vapour Impermeability</b>	Pass (Sd ≥ 1500 m)	EN 12572
<b>Application Temperature</b>	+5°C / +45°C	-
<b>Service Temperature</b>	-40°C / +80°C	-

TEST  
Complying with EN 13970 type A e T  
Classification for transport: Not Applicable  
Inflammability classification: B2 (DIN 4102)  
Reaction to fire: E (EN 11925 - 2; EN 13501 - 1)

**Fig. 2 - Vapour Barrier on Metal Shield**



### USES

- Total Vapour barrier for metal deck application,
- Total Vapour Barrier for composite multilayer insulation systems;
- Carrier membrane for composite multilayer insulation systems;

### SUPPORT PREPARATION

All surfaces on which Rayston Vel Plus Waterproofing membranes have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of Isoltema Primer in a quantity of +/- 250 g/sqm.

The use of Isoltema Primer is in any case advisable, and the manufacturer's instructions must be followed.

A wrong use of Primer can influence the membrane efficiency.

### APPLICATION GUIDELINES

The membrane must be applied perpendicular to slope. The membrane must be overlapped at the edge by at least 5-8 cm and on the top by at least 15 cm.

After installation, press the membrane well, being very careful about details such as corners, edges, connections and overlaps.

Protect the membrane from UV rays within one/two weeks after the installation.

### STORAGE

The quality and the characteristics of the materials remain unaltered for a long period of time.

However, it is recommended to use the product within 12 months from production date.

The product must be stored in the original and unopened packaging in a dry and well ventilated place at a temperature between + 5 °C and + 40 °C.

Storage above 50 °C may lead to difficulties in removing the release liner when applying.

The product is not affected by frost.

### DIMENSIONS AND PACKAGING

Standard Lengths: 40 m \*

Standard Thicknesses: 0.6 mm \*

Standard Width: 1080 mm \*

Other lengths and thicknesses are available on request. The rolls are packed individually in cardboard boxes and placed on pallets.

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### OTHER INFORMATION

The information contained in this Technical 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***