

KEY BENEFITS SUMMARY

- Flame free, self-adhesive application
- Excellent low temperature flexibility at -25°C
- Aluminium lined
- SBS modified bitumen
- High vapour resistance
- Self-adhesive selvage providing a robust seal
- Versatile, long-lasting material

PRODUCT INFORMATION

Description

RW821 is a SBS modified, foil lined, self-adhesive, reinforced bituminous membrane (RBM), for use as an air & vapour control layer (AVCL).

Top Surface: Silicon film

Reinforcement: Non-woven polyester and glass fibre

Underside: Removable polymeric PE film and self-adhesive

Usage / Purpose

RW821 is designed for use as a high performance air and vapour control layer. Suitable for all building types including high humidity environments. Typically specified within POWERply self-adhesive systems or flame free detailing. RW821 can be applied to a wide range of substrates, including plywood, metal and concrete decks, subject to use of a suitable primer as required.

Colour

Black

Packaging

10m x 1m roll

37kg roll weight

Availability

Direct from Tremco CPG UK Limited (see bottom of leaflet for address and telephone details).

Application

- RW821 should be installed in accordance with the project specific specification and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.
- Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign.
- If gas torches are used during application, operatives should be competent, conversant and capable of using such items in a safe and responsible manner.

Preparation

- In order to install RW821 correctly, ensure that the surface is dry, free of oil, fat, dust and other impurities.
- All substrates and detailing areas should be primed in order to create a strong bond.
- Primer must be dry prior to application of membrane.
- Ambient and surface temperatures during the application should be at least + 5°C.

Installing the Membrane

- Membrane sheets should be laid perpendicular to the specified falls and all sheet ends must be evenly staggered from subsequent sheets,
- To a suitably primed surface, remove protective film and carefully roll into place with firm hand applied pressure across the entire width of the membrane. Ideally a weighted roller should be used to evenly apply pressure and achieve optimum application times.
- Membrane side and end laps should be a minimum of 100mm and 150mm respectively. A minimum 150mm at all detailing and upstand abutments must also be achieved.
- All laps are to be sealed with a minimum 5mm bead of bitumen exuded.
- Gas torches must never be used in close proximity to combustible materials, decorative coatings or heat sensitive materials.

Installation Note

Please refer to Tremco Specification & Installation Guide for advice at all times.

Storage

- The performance of self-adhesive underlays can be compromised if they are stored incorrectly.
- In general terms, self-adhesive underlays should be stored in a cool, dry place and protected from direct sunlight.

- RW814 should never be stored on any roofs where the temperature is expected to drop to 5°C or less. If this is not the case there may be installation issues, with shrinkage/ruckling of the underlay potentially occurring as the temperature rises.
- It is equally important not to store the rolls in direct sunlight, as this can activate the tack within the self-adhesive coating, making it difficult to remove the release film during application.

Health & Safety Precautions

Safety data sheets must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

TECHNICAL DATA

Characteristic	Test method	Units	Nominal values	Tolerances
Visible defects	EN 1850-1	visible	Without defects	
Length	EN 1848-1	m	10,000	-1% MLV
Width	EN 1848-1	m	1,000	-1% MLV
Straightness	EN 1848-1	mm	20mm x 10m	Pass
Thickness	EN 1849-1	mm	3	± 0.2%
Watertightness (A)	EN 1928	kPa	60	MLV
External fire performance	EN 13501-5	Class	Broof(t4)	NPD
Reaction to fire	EN 13501-1	Class	E	Pass
Shear resistance longitudinal/transversal	EN 12317-1	N/50mm	400/250	±20%
Water vapour transmission properties Method A	EN 1931	μ Sd(m)	1.800.000/5.400	-200.000
Tensile strength longitudinal/transversal	EN 12311-1	N/50mm	450/250	±20%
Elongation at break longitudinal/transversal	EN 12311-1	%	20/25	-15 absolute
Resistance to tearing (nail shank)	EN 12310-1	N	150/150	-30%
Dimensional stability longitudinal/transversal	EN 1107-1 met. A	%	±0.1	MLV
Flexibility at low temperature	EN 1109	°C	-25	MLV
Flow resistance at elevated temperature	EN 1110	°C	100	MLV
Water vapour transmission properties after exposure to artificial ageing	EN 1296/EN 1931	μ/Sd(m)	1.800.000/5.400	±50% of the initial value
Water vapour transmission properties against chemicals	EN 1847/EN 1931	μ/Sd(m)	1.800.000/5.400	±50% of the initial value
Self adhesion properties	ASTM D1000	N/10mm	20	-5
Storage	Store in a cool, dry place and protect from direct sunlight			
Shelf life	24 months when stored as recommended			