

RW820

POWERPLY AVCL TO

KEY BENEFITS SUMMARY

- Torch-on application
- Low temperature flexibility at -18°C
- Aluminium lined
- SBS modified bitumen
- Rapid, simple installation
- High vapour resistance

PRODUCT INFORMATION

Description

RW820 is a SBS modified, foil lined, torch-on, reinforced bituminous membrane (RBM), for use as an air & vapour control layer (AVCL).

Top Surface: Sanded
Reinforcement: Glass fibre
Underside: Fusible film

Usage / Purpose

RW820 is designed for use as a high performance air and vapour control layer. Suitable for all building types including high humidity environments. Specified within POWERply torch applied systems. RW820 can be applied to a wide range of substrates.

Colour

Black

Packaging

10m x 1m roll
40kg roll weight

Availability

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

Application

- RW820 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.
- All operatives using gas torches or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner.

- Gas torches must never be used in close proximity to combustible materials, decorative coatings or heat sensitive materials.
- All substrates and detailing areas to be primed as required to ensure adequate bonding.
- Primer must be dry prior to membrane application.
- 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, begin rolling out whilst heating the reverse of the membrane with a gas torch ensuring the fusible film backing melts away exposing the bitumen core. The sanded surface must always face upwards, and the membrane applied without folds or creases that may affect the overall finish.
- Membrane side and end laps should be a minimum of 100mm and 150mm respectively. Ensure all laps face down the roof slope to avoid negative laps.
- Where safe to do so, all laps are to be sealed by gas torch with a minimum 5mm bead of bitumen exuded.

Installation Note

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

Storage

- In general terms, self-adhesive underlays should be stored in a cool, dry place and protected from direct sunlight.

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.

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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	12317-1	N/50mm	400/250	±20%
Water vapour transmission properties Method A	EN 1931	μ Sd(m)	1.800.00/5.400	-20,000
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 impact	EN 12691	mm	700	MLV
Resistance to tearing (nail shank)	EN 12310-1	N	150/150	-30%
Flexibility at low temperature	EN 1109	°C	-15	MLV
Water vapour transmission properties after exposure to artificial aging	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
Storage	Store in a cool, dry place and protect from direct sunlight			
Shelf life	24 months when stored as recommended			