Technical Data Sheet

RW831

POWERply Standard Capping TO

19-11-2026 / V 2

Description

RW831 is a SBS (Styrene Butadiene Styrene), torch-on, reinforced bituminous membrane (RBM), for use as a cap sheet membrane. Top Surface: Mineral granule, Reinforcement: Non-woven polyester and glass fibre and Underside: Fusible film



Features and Benefits

- Torch-applied application
- Mineral surface provides a tough weather resistant finish
- Excellent low temperature flexibility at -35°C
- SBS modified bitumen
- High tensile strength polyester/glass fibre composite reinforcement
- Long-term UV stability
- Versatile, long-lasting material

Usage Purpose

Specified within POWERply torch-on systems, RW831 is designed for use as a high performance cap sheet membrane suitable for exposed or buried flat roof assemblies.

Packaging

6m x 1m roll and 35kg roll weight.

Available Colour

Standard colour - Charcoal Grey

Shelf Life

24 months when stored as recommended.

Storage

Store in a cool, dry place, indoors avoid unnecessary opening of packaging or direct sunlight.

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Technical Characteristics

Thickness	EN 1849-1	Value: 4.8mm Tolerance: +10%
Dimensional Stability	EN 1107-1 Met. A	Value: ±0,3 % Tolerance: MLV
Reaction To Fire	EN 13501-1	Value: Class E Tolerance: Pass
Tear Resistance	(nail shank) EN 12310-1	Value: 180/180 N Tolerance: -30%
Watertightness	EN 1928	Value: 60 kPa Tolerance: MLV
Elongation At Break	EN 12311-1	Value: 45/45% Tolerance: -15 absolute
Tensile Strength	EN 12311-1	Value: 850/650 N/50mm Tolerance: ±20%
Adhesion of granules	EN 12039	Value: Max 30% Tolerance: MDV
External fire Performance	EN 13501-5	Broof(t4) classification
Flexibility at low temperature after artificial ageing	EN 1269 / EN 1109	Value: -10oC Tolerance: MLV
Flexibility at low temperature	EN 1109	Value: -20oC Tolerance: MLV
Flow resistance at elevated temperature after artificial ageing	EN 1110	Value: 100oC Tolerance: MLV
Flow resistance at elevated temperature	EN 1110	Nominal value: 100oC and Tolerance: MLV
Straightness	EN 1848-1	Value: 20mm x 10m Tolerance: Pass
Visible defects	EN 1850-1	Value: Without defects

Application

RW831 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 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 and heat sensitive materials. In order to install the cap sheet membrane correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities.
Installation: Membrane sheets should be laid perpendicular to the specified falls and all sheet ends must be evenly staggered from subsequent sheets. To a suitable 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 mineralised 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 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 gas torch with a minimum 5mm bead of bitumen exuded.
NB: The granule colour may vary during its useful life due to the effect of the weather and other outside agents.
Installation Note: Please refer to Tremco Specification & Installation Guide for advice at all times.

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.

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Health And Safety Precautions

Safety data sheet 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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