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CAW J21
Uniclass L5241:P91

Technical Data Sheet

CP684

POWERply UNDERLAY - TO

TREMCO
Lasting Performance

KEY BENEFITS SUMMARY

- Torch-applied application
- Robust, durable membrane
- Low temperature flexibility at -15°C
- Rapid, simple application
- SBS modified bitumen

PRODUCT INFORMATION

Description

CP684 is a torch-applied, bituminous underlay which is saturated and coated with high quality SBS (styrene-butadiene-styrene) modified bitumen. It has a 180 g/m² polyester fleece reinforcement, a thermo-fusible polyethylene film on the underside and is finished on the top surface with a fine slate.

Usage / Purpose

CP684 is designed for use as a premium underlay membrane, and is ideal for use as part of a high performance torch-on roofing system. It can be applied to a wide range of non-combustible substrates and can also be used as the final waterproofing layer on certain built-up roofing systems. (Please consult CPG Europe Technical Services for details).

Colour

Dark Grey

Packaging

1.0 m x 10.0 m x 4.0 mm roll

Availability

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

Application

- CP684 should be installed in accordance with manufacturer recommendations 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 hot air guns are used during application, operatives should be competent, conversant and capable of using such items in a safe and responsible manner.
- Care must also be taken when using hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.
- When setting out the field area, rolls should always be laid in the same direction. Side lap width should be at least 80 mm with end laps of at least 100 mm.
- A minimum 100 mm link with the waterproofing layers at all detailing and upstand abutments must also be achieved, with the completed detailing entirely encapsulating the insulation.

Installation

- CP684 must be fully bonded to the prepared substrate by using the torch-on application method, ensuring that a constant flow of bitumen is maintained across the whole width of the roll and that a continuous bead of bitumen (5-15 mm) is exuded from all side and end laps to demonstrate that a good seal has been achieved.
- The lower surface has a thermo-fusible film which rapidly melts during the torching operation.
- When addressing an angle where the underlay will change from a horizontal to a vertical configuration, press the product firmly into place and ensure that a full bond is achieved throughout the detail.

Installation Note

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

Chemical Resistance

CP684 is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

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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.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

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

PROPERTY	TEST METHOD	RESULT
Length	DIN EN 1848-1	≥ 10.0 m
Width	DIN EN 1848-1	≥ 1.0 m
Straightness	DIN EN 1848-1	≤ 20 mm/10 m
Mass per Unit Area	DIN EN 1849-1	4.8 (± 5%) kg/m²
Thickness	DIN EN 1849-1	4.0 (± 2%) mm
Water Tightness	DIN EN 1928 Method B	passed at 200 kPa
Tensile Properties: Maximum Tensile Force	DIN EN 12311-1	≥ 800/600 N
Tensile Properties: Elongation	DIN EN 12311-1	≥ 35/35%
Flexibility at Low Temperatures	DIN EN 1109	-15°C (± 5 abs)
Flow Resistance at Elevated Temperatures	DIN EN 1110	+100°C (± 8 abs)
Storage	Store in a cool, dry place and protect from direct sunlight	
Shelf Life	24 months when stored as recommended	

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