

CP681

POWERply AIR & VAPOUR CONTROL LAYER - TO



KEY BENEFITS SUMMARY

- Torch-on application
- Low temperature flexibility at -18°C
- Aluminium reinforced
- SBS modified bitumen
- Rapid, simple installation
- Tested as part of a system to achieve Roof Test 4 fire classification as certified by Warrington fire

PRODUCT INFORMATION

Description

CP681 is a torch applied, bituminous vapour control layer which is saturated and coated with high quality SBS (styrene-butadiene-styrene) modified bitumen. It has a 60 g/m² aluminium and glass fleece reinforcement, a thermofusible polyethylene film on the underside and is finished on the top surface with quartz sand.

Usage / Purpose

CP681 is designed for use as a premium vapour barrier 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, including metal and concrete decks, subject to use of a suitable primer as required. The product features an aluminium reinforcement which is resistant to alkali and corrosion.

Colour

Dark Grey

Packaging

1.0 m x 7.5 m x 3.5 mm roll

Availability

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

Application

- CP681 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.
- All operatives using torch guns or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner.

- Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and 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.
- When setting out the field area, rolls should always be laid in the same direction. The width of the side laps 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.
- CP681 membrane 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 membrane 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.

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 | ≥ 7.50 m |
| Width | DIN EN 1848-1 | ≥ 1 m |
| Straightness | DIN EN 1848-1 | < 20 mm/10 m |
| Mass per Unit Area | DIN EN 1848-1 | 5.0 (± 5%) kg/m ² |
| Thickness | DIN EN 1848-1 | 5.50 (± 5%) mm |
| Water Tightness | DIN EN 1928 Method B | passed at 100 kPa |
| Tensile Properties: Maximum Tensile Force | DIN EN 12311-1 | ≥ 400/400 N |
| Tensile Properties: Elongation | DIN EN 12311-1 | ≥ 2/2% |
| Flow Resistance at Elevated Temperatures | DIN EN 12311-1 | ≥ +100°C |
| Flexibility at Low Temperatures | DIN EN 1109 | ≤ -20°C |
| Water Vapour Transmission Properties | DIN EN 1931 | sd ≥ 1.500 m |
| Reaction to Fire | DIN EN 11925-2 | Class E according to DIN EN 13501-1 |
| Storage | Store in a cool, dry place and protect from direct sunlight | |
| Shelf Life | 24 months when stored as recommended | |