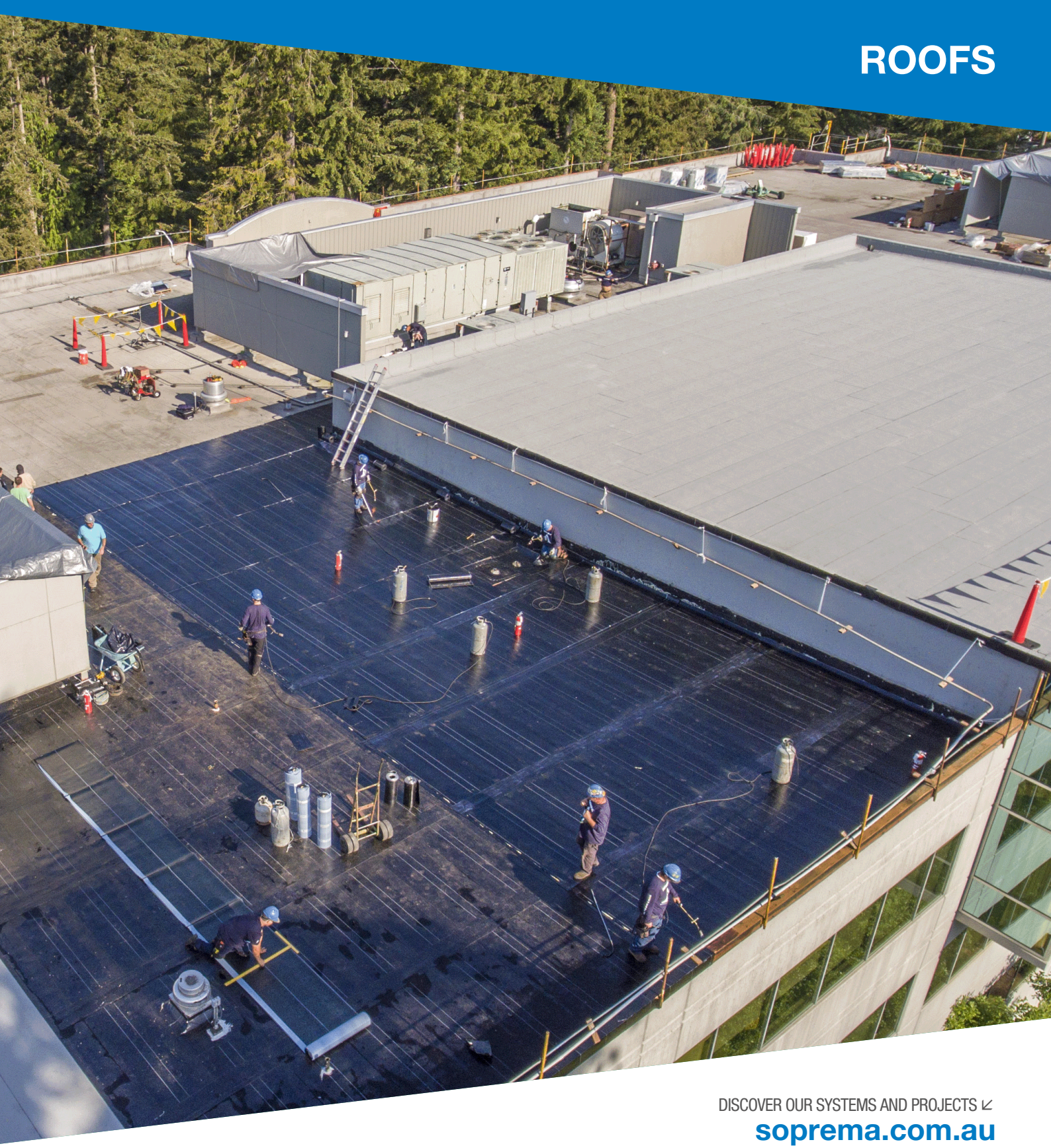


DISCOVER OUR SYSTEMS AND PROJECTS ↙
soprema.com.au

Bituminous Waterproofing

Exposed Double-Layer System

SOPREMA

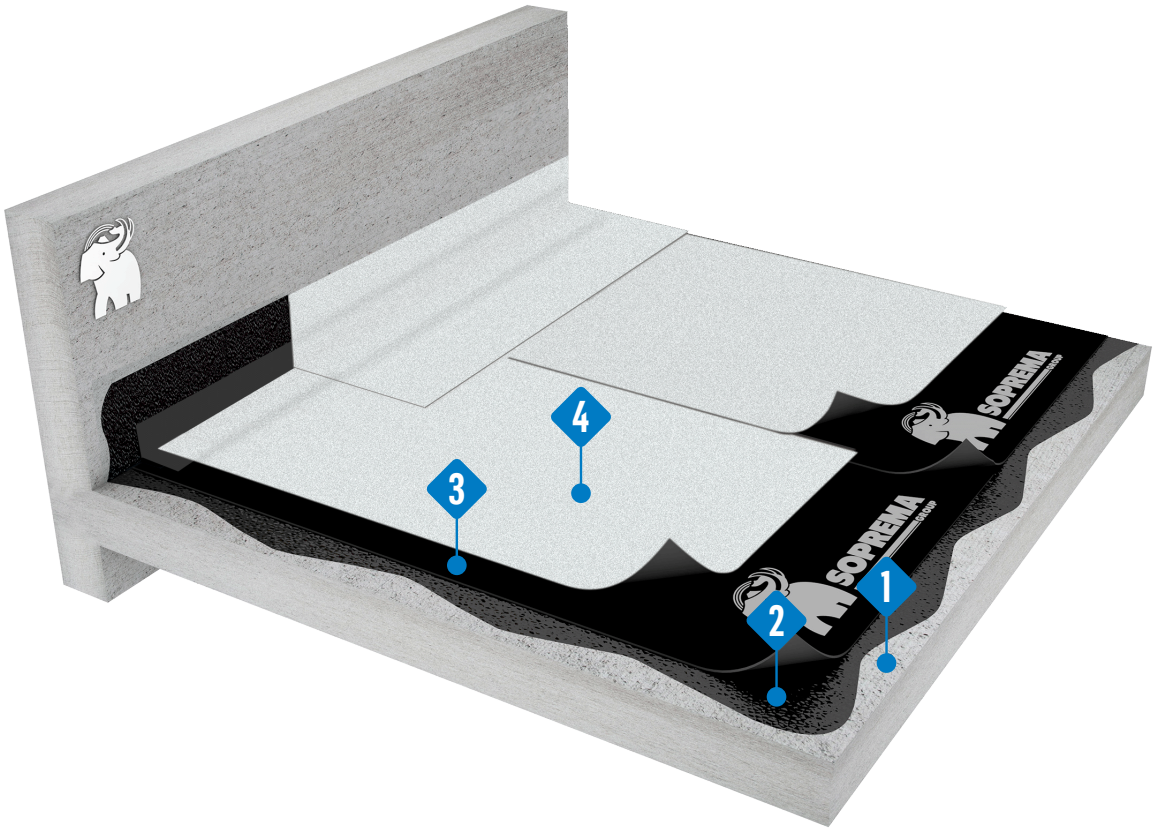
SOPRALENE FLAM 180 &
SOPRALENE FLAM 180 GR

Exposed Double-Layer SBS Modified-Bitumen System

SOPRALENE FLAM 180 & **SOPRALENE FLAM 180 GR** are waterproofing membranes designed for roofing applications. It is made of styrene-butadiene-styrene (SBS) modified bitumen and an ultra-high strength 180 g/m² non-woven polyester reinforcement, providing excellent puncture resistance and guaranteed longevity.

SOPRALENE FLAM 180 is a base sheet membrane, with a thermofusible surface and underface.
SOPRALENE FLAM 180 GR is a cap sheet membrane, with the bottom underface is covered with thermofusible plastic film and the top surface is covered with granules.

The membranes can be heat welded using a propane torch, or a MINI MACADEN machine.



1. Substrate
2. **ANTIROCK PRIMER**
3. **SOPRALENE FLAM 180**
4. **SOPRALENE FLAM 180 GR**

SYSTEM SPECIFICATION

SYSTEM COMPONENT	SOPREMA PRODUCT
Substrate	The substrate should be clean and free of laitance, slurry, or other contaminants. Falls across all horizontal surfaces should achieve 1:80 or 1:100 to the nearest drainage point within each segregated area, as per Australian Standards.
Primer	**ANTIROCK PRIMER** **Description:** Fast-evaporating bituminous primer. It is used on concrete surfaces to improve adhesion of torch-on membrane. **Composition:** Modified bitumen, fast-evaporating solvents and adhesive enhancing additives.
Base Sheet Membrane	**SOPRALENE FLAM 180** **Description:** Waterproofing sheet membrane with high mechanical properties. It is highly resistant to tear and puncture, and to hydraulic pressure. **Composition:** SBS bitumen and an ultra-high strength 180 g/m^2 non-woven polyester reinforcement. The top surface and bottom underface are covered with a thermofusible plastic film.
Cap Sheet Membrane	**SOPRALENE FLAM 180 GR** **Description:** Waterproofing sheet membrane with high mechanical properties. It is highly resistant to tear and puncture, and to hydraulic pressure. **Composition:** SBS bitumen and an ultra-high strength 180 g/m^2 non-woven polyester reinforcement. The bottom underface is covered with thermofusible plastic film and the top surface is covered with granules.
Sheet Termination	Pressure Seal; A termination bar needs to be mechanically fixed at regular intervals to ensure high pressure against the membrane. Once fitted, the top edge of the bar should have a 10 mm fillet of **SOPRAMASTIC** applied to prevent water ingress down the back of the membrane.
Flashing and Detailing	**ALSAN FLASHING** and **POLYFLEECE** **Description:** single-component, waterproofing coating used to waterproof hard-to-access upstands and other details where it is difficult to apply sheet waterproofing membranes. **Composition:** Bitumen/polyurethane and polyester reinforcement.

Reference Pictures

ANTIROCK PRIMER

SOPRALENE FLAM 180

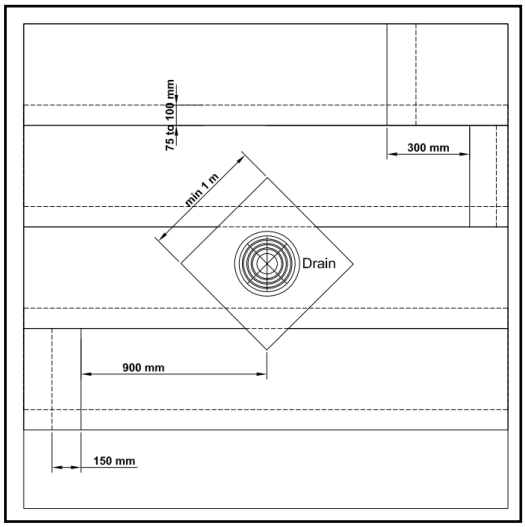
SOPRALENE FLAM 180 GR

SOPRAMASTIC

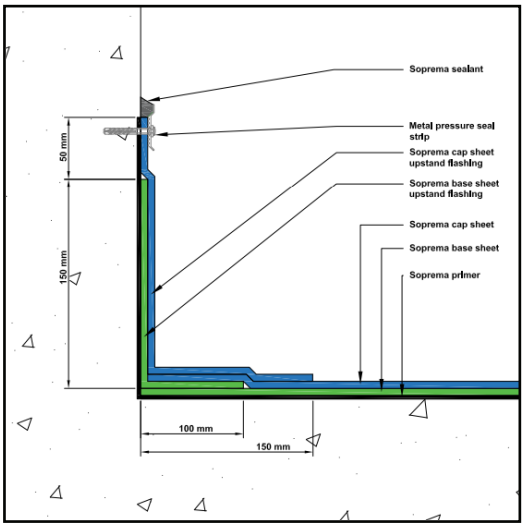
ALSAN FLASHING & POLYFLEECE

DETAILS

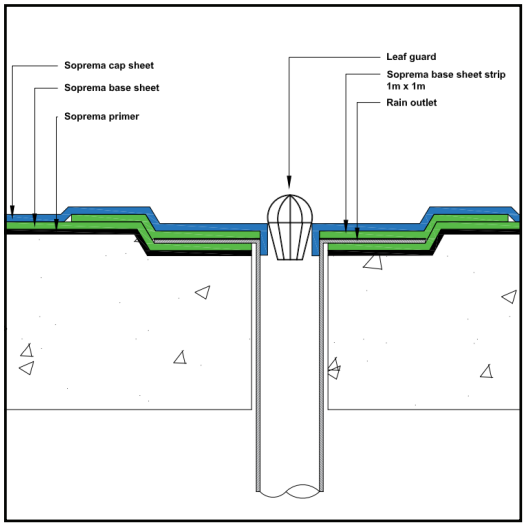
MEMBRANE LAYOUT



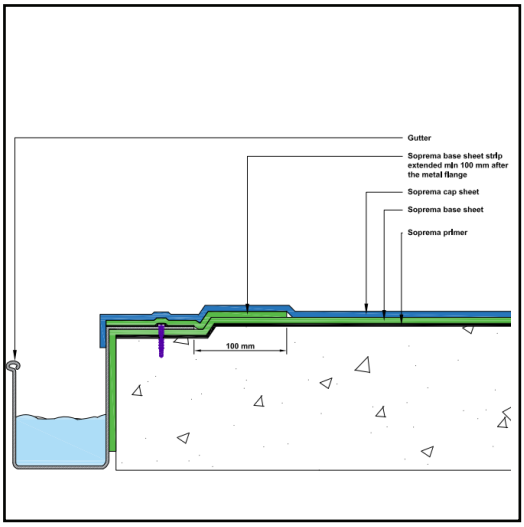
UP-STAND WITH PRESSURE SEAL TERMINATION STRIP



RAIN OUTLET



GUTTER TERMINATION



Additional details and details files available from our technical team.

CERTIFICATIONS

BRANZ Appraised
Appraisal No.1145 [2021]

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 95/3098

FM APPROVED

Soprema UK Limited
Unit 4
Lancaster Way
Earls Colne Business Park
Colchester
Essex CO6 2NS

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e-mail: info@soprema.co.uk
website: www.soprema.co.uk

BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION

Agrément Certificate
95/3098
Product Sheet 2

SOPREMA SBS MODIFIED BITUMEN MEMBRANES

SOPRALENE FLAM AND SOPRALENE TECHNO ROOF WATERPROOFING MEMBRANES

This Agrément Certificate Product Sheet[1] relates to Sopralene Flam and Sopralene Techno Roof Waterproofing Membranes, for use as loose-laid and ballasted roof waterproofing on flat and zero fall roofs, or fully or partially bonded built-up roof waterproofing on flat, pitched and zero fall roofs with limited access.
(1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

KEY FACTORS ASSESSED

Weathertightness — the membranes will resist the passage of moisture into the building (see section 6).

Properties in relation to fire — the membranes can enable a roof to be unrestricted under the national Building Regulations (see section 7).

Resistance to wind uplift — the membranes will resist the effects of any likely wind suction acting on the roof (see section 8).

Resistance to foot traffic — the membranes will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Durability — under normal service conditions, the mem
life in excess of 30 years (see section 11).

The BBA has awarded this Certificate to the company
products have been assessed by the BBA as being fit f
maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Third issue: 22 November 2017

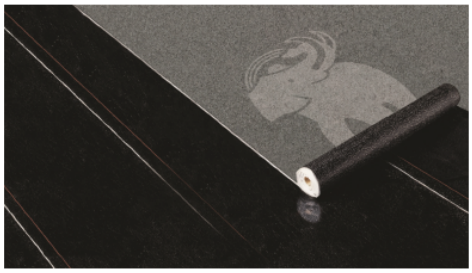
Originally certificated on 28 March 1995

The BBA is a UKAS accredi
The schedule of the current scope of accreditation for product certification
Readers are advised to check the validity and latest issue number of this Ap

British Board of Agrément
Bucknalls Lane
Watford
Herts WD25 9BA

BRANZ Appraised
Appraisal No. 1145 [2021]

SOPREMA BITUMEN ROOFING MEMBRANE SYSTEMS



Appraisal No. 1145 (2021)

BRANZ Appraisals
Technical Assessments of products for building and construction.

SOPREMA

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NSW 2000
Australia
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Product

1.1 Soprema Bitumen Roofing Membrane Systems are torch-on and self-adhered SBS and APP bitumen-modified waterproofing membranes for roofs and decks.

Scope

2.1 Soprema Bitumen Roofing Membrane Systems have been appraised for use as roof and deck waterproofing membranes on buildings designed within the following scope:

- with building structures designed and constructed to comply with the Building Code of Australia (BCA); and,
- with roof and deck supporting structures of timber framing with substrates of plywood or compressed fibre cement; and,
- with substrates of suspended concrete slab; and,
- subjected to maximum wind pressures; and,
- with the weathertightness design of all junctions being the subject of design by the designer.

(Note: The design of these junctions has not been appraised by BRANZ and is outside the scope of this Appraisal.)

2.2 Roofs and decks waterproofed with Soprema Bitumen Roofing Membrane Systems must be designed and constructed in accordance with the following limitations:

- nominally flat, curved or pitched roofs constructed to drain water to gutters and drainage outlets complying with the BCA; and,
- where decks are designed and constructed such that deflections do not exceed 1/360th of the

violet (UV) exposure and physical damage; and,
ls; and,
ns.
of the substrate and movement and control joints are specific to each
responsibility of the building designer and building contractor and are
raisal.
talled by Soprema Australia Pty Ltd certified applicators.

s Appraisal by
BRANZ website.

FM APPROVED

Certificate of Compliance

This certificate is issued for the following:

Alternate formulation of Elastophene, Sopralene, Soprafix, Soprastar HD, Sopraply family of membranes and membranes used in Xpress Board and Soprasmart Board family of products

Prepared for:

Soprema Inc - (Quebec Canada)
1688 JB Michaud
Drummondville, QC J2C 8E9
Canada

FM Approvals Class: 4470

Approval Identification: 3054571 Approval Granted: 12/8/2016

To verify the availability of the Approved product, please refer to www.roofnav.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in RoofNav, an online resource of FM Approvals.

Cynthia Frank
AVP - Manager of Materials
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

FM Approvals
Member of the FM Global Group

The recommendations provided in this document are based on the current knowledge and experience regarding the systems and products it contains, considering normal commissioning and service conditions. It is essential to adhere to the guidelines for storage, handling, and useful life specified in the updated Technical Characteristics Sheets, accessible on our website: www.soprema.com.au. It is important to note that these recommendations do not absolve the customer or technician from verifying the suitability of each product and system for their intended purpose. If any physical or application parameters are modified, it is advisable to consult SOPREMA's Technical Department beforehand. The ultimate decision to incorporate any solution mentioned in this document into a project or during commissioning lies solely with the responsible management, engineering, technician, or applicator.

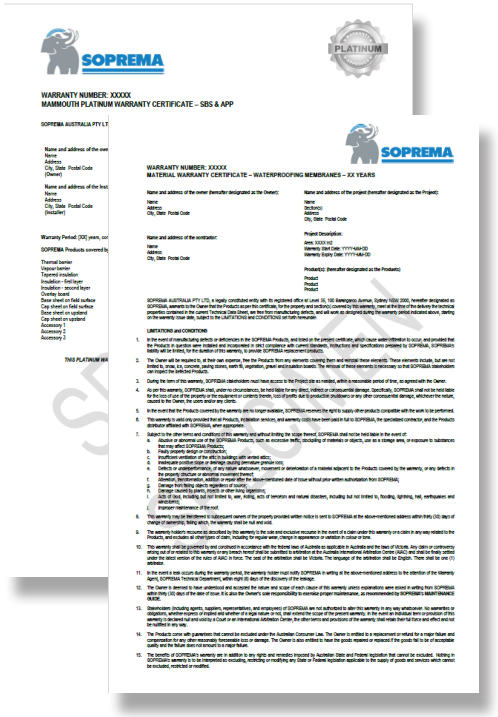
TECHNICAL SUPPORT AND WARRANTIES

EXPERTS AT YOUR SERVICE

SOPREMA has earned its place among the leaders of the waterproofing industry thanks to the expertise and availability of its technical team, supporting construction professionals in their projects from design to completion.

Local technical advice from SOPREMA include:

- Project review and advice on waterproofing solutions
- Waterproofing details review for your projects
- Waterproofing membranes and photovoltaic panel layout assistance
- Wind load calculations
- Condensation risk analysis
- Approved waterproofing contractors list
- On-site quality assurance
- CPDs and ongoing training


SOPREMA

PLATINUM

WARRANTY NUMBER: XXXXX

MAMMOUTH PLATINUM WARRANTY CERTIFICATE – SBS & APP

SOPREMA

WARRANTY NUMBER: XXXXX

MATERIAL WARRANTY CERTIFICATE – WATERPROOFING MEMBRANES – XX YEARS

MATERIALS WARRANTY

Coverage: Covers water infiltration caused by membrane deficiencies

Availability: All roofing contractors

Remediation: Material replacement

Warranty period: Up to 20 years

PLATINUM WARRANTY

Coverage: Covers water infiltration caused by one or several system deficiencies from SOPREMA components or their installation

Availability: Platinum roofing contractors

Remediation: Material and labour to replace defective membrane and all other contaminated roof assembly components

Warranty period: Up to 20 years