

Project Specification



SOPREMA
GROUP

Project Name _____

Date

Date

Location

Location

Architect

Architect

Builder

Builder

Prepared by

Technical Team



About SOPREMA

Founded in 1908 in Strasbourg, France, SOPREMA is a multinational manufacturer specialising in the production of innovative products for waterproofing, insulation, soundproofing and vegetated solutions, in response to the specific challenges within the construction industry for the roofing, building envelope, and civil engineering sectors.

With over 100 years of expertise, SOPREMA has earned its place as a world leader of the waterproofing industry, and the availability of its technical team. Each year, hundreds of construction professionals – architects, contractors, installers, building owners, and consultants – choose SOPREMA for the quality of its products and its personalised service.

SOPREMA is more than a manufacturer: it is also a partner!

Spirit of Innovation

SOPREMA is recognised as a pioneer for its initiatives to develop new products that meet customer needs and make their work more efficient.

Innovation at SOPREMA also means active participation in the development of new industry standards. SOPREMA’s research and development centres are located in Europe and North America, where dedicated professionals work to develop and improve the products, all while keeping SOPREMA’s R&D sustainable development policy at the forefront.

Comprehensive Service

Recognised for the expertise and availability of its technical team: our local technical representatives work with and support construction professionals on their projects, from design to build.

In addition to providing great technical support and service to customers, SOPREMA provides continuous training to installers.



COMPLIANCE WITH
AS 4654
STANDARD



vicroads
SECTION 691
APPROVED



Scope

Supply and install waterproofing membranes or protective coating systems aimed at protecting the clients building from the effects of water ingress and carbonation.

All systems are backed by full manufacturer's warranties and are to be installed by trained applicators.

Approved applicators are to have significant training and experience in Construction Waterproofing and/or Wall and Floor Tiling, as required for the application.

When required, Bayset representatives (potentially in conjunction with the appropriate manufacturer), will carry out on-site inspections to ensure systems have been installed in accordance with the manufacturer's data sheets and recommendations.

Standards & Codes

Waterproofing, Protective Coating and Tiling works are to be carried out by licensed applicators, accredited by Bayset Specialist Trade Supplies. SOPREMA systems are to be carried out by SOPREMA approved applicators only.

The Building Code of Australia shall be always observed.

Manufactures Data sheets and recommendations must be read before any work is commenced.

All relevant Australian Standards including but not limited to those listed below must be adhered to at all times.

AS 4654.1 Waterproofing Membrane systems for exterior use Above Ground Part 1 Materials

AS 4654.2 Waterproofing Membrane systems for exterior use Above Ground Part 2 Design and Installation

Product & Application Requirements

Substitutions of waterproofing membranes, protective coatings or their systems are not permitted.

All work performed under the requirements of the specification shall be in strict accordance with manufacturer's product data sheets.

It is the contractor's responsibility to ensure all persons under the contractor's control are fully aware of all requirements.

All climactic restrictions for application including ambient and surface temperatures nominated in the manufacturer's product data sheets shall be strictly adhered to.

All contractors/sub-contractors must perform their own due diligence in regard to extent of areas quoted and suitability of membrane specified as changes regularly occur during the design phase.

Special Details

Where a standard detail does not exist or cannot be applied, an approved alternative must be obtained from Bayset/SOPREMA before proceeding with the installation.

Acceptance of Substrate

Surface examination and preparation must be completed in accordance to membrane's Technical Data Sheets.

Be sure plumbing, carpentry and all other works have been duly completed.

Before roofing work begins, the owner's representative and roofing foreman will inspect and approve deck conditions (including slopes and wood grounds) as well as flashings at parapets, roof drains, plumbing vents, ventilation outlets and other construction joints. If necessary, a non-conformity notice should be issued to the contractor, so that required corrections can be carried out. The start of roofing work will be considered as acceptance of conditions for work completion.

All surfaces shall be dry, clean, smooth and free from sharp objects, laitance, oils, grease or any foreign materials which may inhibit or reduce adhesion. 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.

No materials shall be installed during rain or snowfall.

When a new membrane is to be adhered to substrate, an adhesion test is recommended.

In this document

1. ROOFS
 - WPS-01 [Exposed Roofs \(Fully Adhered\)](#)
 - WPS-02 [Exposed Roofs \(Mechanically Fastened\)](#)

ROOFS

WPS-01 Exposed Roofs (Fully Adhered)

Substrate:	Substrate must be prepared as per 'Acceptance of Substrate' section
Primer:	<i>FLEXOCOL A89</i> - mono-component polyurethane adhesive, moisture curing liquid with medium-low viscosity, with controlled expansion
Waterproofing Membrane:	<i>FLAGON SFC*</i> - synthetic membrane of plasticised PVC, dimensionally stabilised by a glass fibre reinforcement and coupled to 200 g/m ² non-woven polyester felt support
Membrane Termination:	<i>FLAGMETAL</i> - aluminium pressure seal
Flashing and Detailing:	<i>FLAGON SV</i> adhered with <i>FLEXOCOL V</i> - synthetic membrane of plasticised PVC, reinforced with a layer of glass fibre
Solar Pedestals (Optional):	<i>SOPRASOLAR FIX EVO TILT PVC</i> – photovoltaic panel supports that maintain the waterproofing properties of the roof.
Warranty Period:	20 Years

WPS-02 Exposed Roofs (Mechanically Fastened)

Substrate:	Substrate must be prepared as per 'Acceptance of Substrate' section.
Separation Layer:	<i>GEOLAND PT FR 200</i> - highly needled non-woven fabric made of 100% polypropylene staple filament geotextile.
Waterproofing Membrane:	<i>FLAGON SR*</i> - synthetic membrane of plasticised PVC, reinforced with a polyester mesh and a signal layer on the surface
Fixings:	<i>Rhinobond system</i> – induction welding system that secures membrane to roofing substrates without puncturing or traditional roofing screws and 50mm oval plates.
Membrane Termination:	<i>FLAGMETAL</i> - aluminium pressure seal
Flashing and Detailing:	<i>FLAGON SV</i> adhered with <i>FLEXOCOL V</i> - synthetic membrane of plasticised PVC, reinforced with a layer of glass fibre
Solar Pedestals (Optional):	<i>SOPRASOLAR FIX EVO TILT PVC</i> – photovoltaic panel supports that maintain the waterproofing properties of the roof
Warranty Period:	20 Years

* Membranes available in Energy Plus, Copper Art, and Silver Art variations. Energy Plus membranes have a high level of Solar Reflective Index, reflecting solar heat and keeping roof surfaces cool under the sun. Copper and Silver Art membranes give the appeal of a metal roof without the associated risks.

SOPREMA's Project References, Technical Data and Details

Project References can be viewed at: <https://soprema.com.au/projects/>

Technical Data Sheets can be obtained at: <https://soprema.com.au/tds-download>

Technical Details can be obtained at: <https://soprema.com.au/details-download>

SOPREMA's Technical Support

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

Local technical advice from SOPREMA includes:

- ✓ 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 contactors list
- ✓ Onsite quality assurance
- ✓ CPD and ongoing training

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