

A history of innovation

Focusing on tomorrow and proud of its 90-year heritage, Soprema remains the leading innovator in the field of roofing and waterproofing products.

Soprema has an intensive Research and Development agenda to provide specifiers and building owners with a superior long-lasting alternative to conventional built-up roofing. Soprema's products are safer, easier and faster to install as well as environmentally friendly and cost effective.

SBS modified bitumen is about to change your concept of roofing!

Soprema membranes redefine the qualities of high-performance roofing by combining strength and flexibility. SBS modified bitumen increases elasticity by over 1,000% and ensures resistance to temperature shifts from -30°C to 105°C on all surfaces, regardless of inclination or roof complexity.

The Soprema advantage!



Technical specifications*

Base sheet installation

Beginning at the drains and perpendicular to the slope, install the base sheet, dry and in parallel courses. Fasten the edge of the base sheet with Soprafix screws and plates, according to the current Soprema specifications.

Working up the slope, install each course of base sheet with the top edge fastened in the same fashion. Lap side joints a minimum of 100mm, and end joints a minimum of 150 mm, stagger end joints a minimum of 300mm, and seal all joints by heat-welding or with adhesive.

For adhesive applications, apply adhesive at the rate of 6 to 8 litres per 10 square meters to make full contact with both surfaces of the seam.

Provide a smooth application, free of fishmouths, wrinkles or tears.

Cap sheet installation

Beginning at the drains and perpendicular to the slope, install the cap sheet fully heat-welded to the base sheet. Lap side joints a minimum of 100mm and end joints a minimum of 150mm. Stagger end joints and stagger joints between membrane plies a minimum of 300mm.

For adhesive applications, install the cap sheet in a full bed of adhesive applied at the rate of 6 to 8 litres per 10 square meters. Roll the top surface to ensure complete and uniform embedment. Provide a smooth application, free of fishmouths, air pockets, wrinkles or tears.

* Install base sheet and cap sheet flashing according to current Soprema specifications. Soprema's complete technical notice prevails.

System properties

Properties	Standards	SOPRAFIX System with regular Cap Sheet	SOPRAFIX System with Traffic Cap Sheet
Strain energy, MX/XD (kJ/m)	CAN/CGSB-37.56-M 9 th draft	11.0 / 10.5	18.4 / 18.1
Breaking strength, MX/XD (kJ/m)	CAN/CGSB-37.56-M 9 th draft	17.0 / 16.0	31.0 / 31.0
Ultimate elongation, MX/XD (%)	CAN/CGSB-37.56-M 9 th draft	60 / 60	60 / 60
Tear resistance (N)	CAN/CGSB-37.56-M 9 th draft	155	205
Static puncture (N)	CAN/CGSB-37.56-M 9 th draft	380	540
Dimensional Stability, MX/XD (%)	CAN/CGSB-37.56-M 9 th draft	0 / 0	0.2 / 0
Plastic flow (°C)	CAN/CGSB-37.56-M 9 th draft	105	105
Cold bending (°C)	CAN/CGSB-37.56-M 9 th draft		
- initial		-30	-30
- 90 days at 70°C		-30	-30

Notes:

- All values are nominal.
- Fastening patterns must conform to Soprema requirements.
- Adhesive applications must conform to minimum application temperatures and methods. Consult Soprema for all adhesive applications.

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It's a dirty job and nobody should have to do it

SOPRAFIX
High-performance Roofing System



It's a breeze to install, but will withstand high winds



It's a breeze to install, but will withstand high winds

Soprafix, the membrane you can count on to stay on

THE SOPRAFIX SYSTEM is a heavy-duty two-ply roofing system with base sheets mechanically fastened to the deck and cap sheets fully bonded to the base sheets. This system can be installed over most roofing insulations. Cap sheets, installed by heat-welding or with adhesive are protected from ageing by lightweight colored granules.

**The Soprafix advantage means...
You'll never be worried about
high winds again**

Because the **SOPRAFIX** membrane is mechanically fastened, and is independent of substrate components, it does not require an insulation overlay to reduce wrinkling due to temperature variations. As a result, your roof is protected from cracking season after season.

**The Soprafix system, when
everything counts!**

Compared to the traditional BUR system, inconvenience and odors are reduced ensuring the comfort of the building's occupants throughout installation.

There is no need to shovel layers of gravel on your roof.

SOPRAFIX is 3 times lighter than traditional systems.* ($\pm 10 \text{ kg/m}^2$ versus $\pm 30 \text{ kg/m}^2$ for BUR system). A massive difference!

* Estimates based on the Canadian Roofing Contractors Association "Roofing Specifications" (January 1997).

Systems and components

Heat-welded seams & caps

Base sheet **SOPRAFIX BASE-610**
Cap sheets **SOPRAFIX CAP-650 or**
SOPRAFIX TRAFFIC CAP-660
(heavy traffic applications)

Seams & caps sealed with cold adhesive

Base sheet **SOPRAFIX BASE-620**
Cap sheets **SOPRAFIX CAP-670 or**
SOPRAFIX TRAFFIC CAP-680
(heavy traffic applications)

Install base sheet and cap sheet flashing according to current Soprema specifications.

Flashing base sheets **SOPRAFLASH FLAM STICK or**
SOPRALENE FLAM STICK or
SOPRAFLASH STICK
SOPRALENE STICK ADHESIVE (self-adhesive)
All perimeters, protrusions and gutter areas require a flashing base sheet.

Fire-retardant cap sheets are available for increased fire resistance and ULC Class A classification:

Heat-welded **SOPRAFIX CAP FR-651 or**
SOPRAFIX TRAFFIC CAP FR-661

Cold adhesive **SOPRAFIX CAP FR-671 or**
SOPRAFIX TRAFFIC CAP FR-681

Accessories Primers, Soprafix fasteners, adhesives and other accessories required to install the roofing membrane system shall be supplied and installed according to Soprema instructions.



System series 600
heavy-duty two-ply
roofing systems

Five steps to great roofing



1 Install the base sheet dry and in parallel courses.
Fasten the membrane in accordance with Soprema's technical manual.



2 Seal the joints by heat welding (or with adhesive).



3 Install the base flashing membrane.



4 Weld cap sheet onto base sheet with torch (or with adhesive).



5 Install the cap sheet flashing membrane onto base sheet flashing with torch (or with adhesive).

