

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 with hot bitumen

Beginning at the drains and perpendicular to the slope, install the membrane base sheet in a full mopping of hot bitumen applied at the minimum rate of 1 kg per square meter. Ensure complete and uniform embedment by mopping no further than 1 meter ahead of the roll, and applying pressure to the roll so a wave of hot bitumen precedes the roll. Keep the bitumen hot enough to ensure that the minimum temperature at the point of application is 220°C to 230°C.

Base sheet spot adhered with cold adhesive

Beginning at the drains and perpendicular to the slope, adhere the membrane base sheet in spots of cold adhesive approximately 0.15 kg/m² of roof area, (or 0.04 kg/spot), 305 mm (12 in.) in diameter and 610 mm (24 in.) on center, with each row staggered from the previous one. After placement in the adhesive, roll the surface of the installed sheet to ensure complete and uniform embedment. Seal all joints in a full bed of adhesive.

Base sheet installation with torch

Beginning at the drains and perpendicular to the slope, install the membrane base sheet by fully torching the underside of the roll until a small wave of bitumen is apparent as it is unrolled. Install the base sheet in parallel courses with end joints staggered a minimum of 300 mm. Lap side joints 75 mm and end joints 150 mm. Provide a smooth application, free of air pockets, fishmouths 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. Install the cap sheet in parallel courses with end joints staggered a minimum of 300 mm. Lap side joints 75 mm and end joints 150 mm. Stagger joints between membrane plies a minimum of 300 mm. Provide a smooth application, free of wrinkles, fishmouths, air pockets or tears.

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

System properties

Properties	Standards	SOPRAPLY System with regular Cap Sheet	SOPRAPLY System with Traffic Cap Sheet
Strain energy, MD/XD (kJ/m)	CAN/CGSB-37.56-M 9 th draft	11.0 / 10.5	18.4 / 18.1
Breaking strength, MD/XD (kJ/m)	CAN/CGSB-37.56-M 9 th draft	17.0 / 16.0	31.0 / 31.0
Ultimate elongation, MD/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 MD/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	B105
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.

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It's better to get things rolling than rocking

SOPRAPLY
High-performance Roofing System



We don't mess with protection



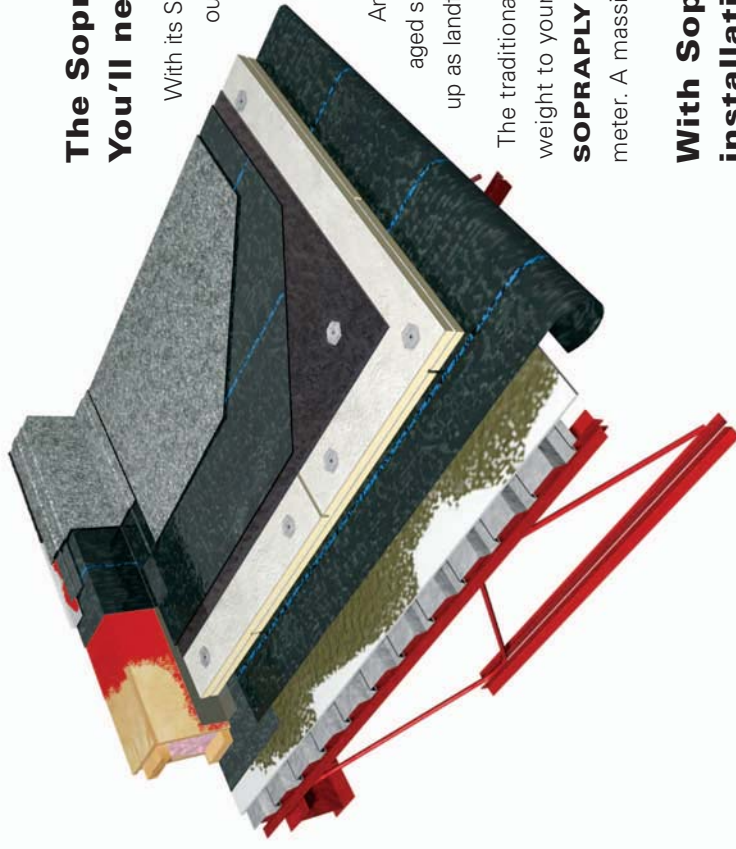
SOPRAPPLY

High-performance Roofing System

We don't mess with protection

Easy to install light membranes for today's roofing needs

THE SOPRAPPLY SYSTEM is a heavy-duty two-ply roofing system for use over suitable insulation and substrates. The system can be installed with hot bitumen, spot adhered with adhesive or heat-welded. Cap sheets are protected from ageing by lightweight colored granules.



With Sopraply, easily the best protection in the business.

The Sopraply advantage means... You'll never need to shovel gravel again

With its SBS modified bitumen membrane, this system outlasts and outperforms traditional roofing methods, providing a clear cost advantage over time. This system is also easier to install and easier to repair, resulting in lower initial and maintenance costs.

And since a new ply can easily be added over an old or damaged section, your roof will never need replacement, never end up as landfill!

The traditional BUR system with rocks and asphalt adds unnecessary weight to your roof (more than 30 kg for each square meter)*. Our **SOPRAPPLY** membrane system only weighs ±10 kg per square meter. A massive difference!

With Sopraply, choose your installation method

The base sheet can be installed the traditional way by mopping with hot bitumen, by spot adhering with adhesive, or by heat-welding: just roll the membrane into place. With the cap sheet installed, it's easily the best finish in the business!

Protect your investment with the best protection available on the market.

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

Four steps to great roofing



1 Install the base sheet membrane by heat-welding (or in a full mopping of hot bitumen or spot adhered with cold adhesive).



2 Install the base flashing membrane over primed substrate.



3 Weld cap sheet onto base sheet with torch.



4 Install the cap sheet flashing membrane with torch.

Systems and components

- Hot bitumen base sheet**
 - Base sheet **SOPRAPLY BASE-510**
 - Cap sheets **SOPRAPPLY CAP-550 or SOPRAPPLY TRAFFIC CAP-560** (heavy traffic applications)

Base sheets from these systems can also be spot adhered with cold adhesive (COLPLY BRUSH GRADE ADHESIVE).

- Heat-welded base sheet**
 - Base sheet **SOPRAPLY BASE-520**
 - Cap sheets **SOPRAPPLY CAP-550 or SOPRAPPLY TRAFFIC CAP-560** (heavy traffic applications)

- Flashing base sheets**
 - SOPRAFLASH FLAM STICK or SOPRALENE FLAM STICK** (self-adhesive)

Fire-retardant cap sheets are available for increased fire resistance.

- FR cap sheets**
 - SOPRAPPLY CAP FR-551 or SOPRAPPLY TRAFFIC CAP FR-561**

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



Systems series 500 heavy-duty two-ply roofing systems

