

## 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 flashing membrane installation

Install the base flashing membrane along all perimeters and around all openings or protrusions. Extend the base flashing membrane 950 mm onto the deck and 50 mm over the outside face.

#### Membrane installation

Beginning at the low point, install the sheet dry and in parallel courses. Fasten along the edges of the sheet with screws and plates as specified in the technical manual.

Stagger end joints a minimum of 300 mm. Lap side and end joints 200 mm. Seal joints and bond the membrane ply to the base flashing ply by torching or with adhesive. Provide a smooth application, free of wrinkles, fishmouths or tears. After placement in the adhesive, roll the surface of the installed sheet to ensure complete and uniform adhesion.

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

### System properties

Properties	Standards	UNILAY System
Strain energy, MD/XD (kJ/m)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	11.3 / 9.5
Breaking strength, MD/XD (kJ/m)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	15.2 / 14.0
Ultimate elongation, MD/XD (%)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	60 / 60
Tear resistance (N)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	125
Static puncture (N)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	440
Dimensional Stability, MD/XD (%)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	0.2 / 0
Plastic flow (°C)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	105
Cold bending (°C)	CAN/CGSB 37.56-M 9 <sup>th</sup> draft	-30
- initial		-30
- 90 days at 70°C		-30

- Notes:**
- All values are nominal.
  - Slopes over 25% may require additional fastening and reduced sheet length. Consult Soprema for additional information.
  - Installation can be parallel or perpendicular to the slope.

### Sales offices

**Moncton**  
(506) 384-6101

**Montréal**  
(450) 655-6676  
1 800 361-1386

**Toronto**  
(905) 265-8088  
1 800 265-2842

**Winnipeg**  
(204) 694-2849

**Edmonton**  
(780) 435-2800  
1 800 252-7529

**Vancouver**  
(604) 522-3944  
1 800 242-1983

**Quebec City**  
(418) 681-8788  
1 800 360-8788

**Ottawa**  
(613) 741-4591  
1 800 641-4727

**London**  
(519) 672-5561

**Saskatoon**  
(306) 651-2647  
1 800 665-4009

**Calgary**  
(403) 248-8837

www.soprema.ca



Deal with the slope...  
without the sloppiness

**UNILAY**  
High-performance Roofing System



Regardless of the slope\*,  
you'll be inclined to  
think it's the best roof



\*Minimum 3%

BR064-AN-06-05-1M

# Regardless of the slope\*, you'll be inclined to think it's the best roof

Unilay, the thicker membrane that protects your roof as well as two

**THE UNILAY SYSTEM** is a heavy-duty single-ply roofing system mechanically fastened to the deck. The overlap joints are sealed by heat-welding or with adhesive. The membrane is protected from ageing by lightweight colored granules. Unilay is ideally suited to sloped roofing applications, where longevity, durability and high wind resistance count.

### The Unilay advantage means... A quickly installed and long lasting roofing system

Because the **UNILAY** membrane is mechanically fastened and is independent of substrate components, it does not require an insulation overlay.



Unilay weighs less than traditional roofing systems: 7.5 kg/m<sup>2</sup> compared to 30 kg/m<sup>2</sup>\*\* and with its positive mechanical attachment, sloped roofs won't slide off.

\* Minimum 3%

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

### Systems and components

Heat-welded seams	<b>UNILAY-750 MEMBRANE</b>
Adhesive seams	<b>UNILAY-760 MEMBRANE</b>
Flashing base sheets	<b>SOPRAFLASH FLAM STICK or SOPRALENE FLAM STICK</b> (self-adhesive membrane with a torchable top surface) <b>or SOPRAFLAM STICK or SOPRALENE STICK ADHESIVE</b> (self-adhesive membrane with an adhesive grade top surface) All perimeters, protrusions and gutter areas require a flashing base sheet.
FR membranes	Fire-retardant cap sheets are available for increased fire resistance. <b>UNILAY FR-751 or UNILAY FR-761</b>
Accessories	Primers, Soprafix fasteners, adhesives and other accessories required to install the roofing membrane system shall be supplied and installed according to Soprema's instructions.



Systems series 700 heavy-duty single ply roofing system

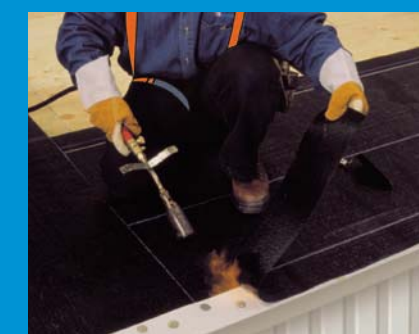
### Seven steps to great roofing



**1 Substrates will receive a coat of primer** before application of base sheet flashing.



**2 Apply base sheet flashing** along perimeters and upstands directly onto primed substrate.



**3 Apply base sheet reinforcement** over metal flashing.



**4 Unroll membrane dry onto the substrate** at least 20 minutes before installation. Align and re-roll the membrane.



**5 Seal joints** by heat-welding (or with adhesive).



**6 Torch (or adhere) Unilay** onto reinforcement membrane.



**7 Fasten along** the edge of the sheet in accordance with Soprema's Specifications Manual.