

*MEMBRANE SYSTEMS*  
**SOPRAFIX SYSTEMS**  
(Systems series # 600)

**Description:** The **SOPRAFIX SYSTEMS** are heavy-duty two-ply systems with the base sheets mechanically fastened to the deck and the cap sheets fully bonded on the base sheets. These systems can be installed over most roofing insulation by head welding or with adhesive. Cap sheets are protected with coloured granules for U.V. and abrasion resistance.

Membrane installation with **COLPLY** adhesives can only be performed at temperatures above 5 °C.

For complete information on application and systems, please consult our specification manual.

- Advantages:**
- Positive mechanical attachment anchors the system even in high wind areas.
  - Membrane is independent of substrate components and does not require an insulation overlay to reduce ridging and wrinkling of the membrane.
  - Reduced application costs lower system cost.
  - Light weight.
  - Future removal is not required to upgrade system.
  - Nuisances and odours to building occupants are reduced.
  - Fire hazard associated with open flame is eliminated with adhesive systems.

**Systems and components:**

<b>Torched systems:</b>	<b>Base sheet</b>	<b>Cap sheets</b>
	<b>SOPRAFIX BASE-610 (10 m x 1 m)</b>	<b>SOPRAFIX CAP-650 (10 m x 1 m)</b> <b>SOPRAFIX TRAFFIC CAP-660 (8 m x 1 m)</b>
<b>Cold adhesive systems:</b>	<b>Base sheet</b>	<b>Cap sheets</b>
	<b>SOPRAFIX BASE-620 (10 m x 1 m)</b>	<b>SOPRAFIX CAP-670 (10 m x 1 m)</b> <b>SOPRAFIX TRAFFIC CAP-680 (10 m x 1 m)</b>

**Flashing base sheets (self-adhered):** **SOPRALENE FLAM STICK, SOPRAFLASH FLAM STICK**  
**SOPRALENE STICK ADHESIVE, SOPRAFLASH STICK**

**Flashing cap sheet:** ONLY use **SOPRAFIX TRAFFIC CAP-660**.

**FR cap sheets:** Fire Rated cap sheets are available for increased fire resistance. Use.  
**SOPRAFIX CAP FR-651 (10 m x 1 m)**  
**SOPRAFIX TRAFFIC CAP FR-661 (8 m x 1 m)**  
or  
**SOPRAFIX CAP FR-671 (10 m x 1 m)**  
**SOPRAFIX TRAFFIC CAP FR-681 (10 m x 1 m)**

**Reinforcements:** The reinforcement used in **SOPRAFIX BASE-610, SOPRAFIX BASE-620, SOPRAFIX TRAFFIC CAP-660** and **SOPRAFIX TRAFFIC CAP-680** is heavy-duty composite reinforcement, covered by the ASTM D6162 standard. **SOPRAFIX CAP-650** and **SOPRAFIX CAP-670** are reinforced with a glass mat, covered by the ASTM D6163 standard.

**Accessories:**

Primers, fasteners, adhesives and other accessories required to install the roofing membrane system shall be supplied and installed following **SOPREMA's** instructions. For cold adhesive systems, **COLPLY ADHESIVE BRUSH** should be used to adhere membranes on horizontal surfaces. For flashing membranes and membranes on sloped surfaces, use **COLPLY ADHESIVE TROWEL GRADE**.

## System Properties:

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

(All values are nominal)

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**NOTE:** SOPREMA INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.