

*MEMBRANE SYSTEMS*

**SOPRAPLY SYSTEMS**

(Systems series # 500)

**Description:** The **SOPRAPLY SYSTEMS** are heavy-duty two-ply systems for use over suitable insulations and substrates. The systems can be installed with hot asphalt, spot adhered with adhesive or heat welded. Cap sheets are protected with coloured granules for U.V. and abrasion resistance.

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

- Advantages:**
- Lightweight.
  - High performance.
  - Versatile.
  - Future removal is not required to upgrade system.

**Systems and components:**

**Systems with *mopped\** base sheet:**

Base sheet	Cap sheets
<b>SOPRAPLY BASE-510</b> (15 m x 1 m)	<b>SOPRAPLY CAP-550</b> (10 m x 1 m) <b>SOPRAPLY TRAFFIC CAP-560</b> (8 m x 1 m)
Base sheet	Cap sheets
<b>SOPRAPLY BASE-520</b> (10 m x 1 m)	<b>SOPRAPLY CAP-550</b> (10 m x 1 m) <b>SOPRAPLY TRAFFIC CAP-560</b> (8 m x 1 m)

**Systems with *torched* base sheet:**

**Flashing base sheets (self-adhered):**

**SOPRALENE FLAM STICK, SOPRAFLASH FLAM STICK**  
**SOPRALENE STICK ADHESIVE, SOPRAFLASH STICK**

**Flashing cap sheet:**

ONLY use **SOPRAPLY TRAFFIC CAP-560**.

**FR cap sheets:**

Fire Rated cap sheets are available for increased fire resistance. Use.  
**SOPRAPLY CAP FR-551** (10 m x 1 m)  
or  
**SOPRAPLY CAP FR-561** (8 m x 1 m)

**Reinforcements:**

The reinforcement used in **SOPRAPLY BASE-510**, **SOPRAPLY BASE-520** and **SOPRAPLY TRAFFIC CAP-560** is heavy-duty composite reinforcement, covered by the ASTM D6162 standard. **SOPRAPLY CAP-550** is 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.

## System Properties:

Properties	Standards	SOPRAPLY System with regular Cap Sheet	SOPRAPLY 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)

1.877.MAMMOUTH  
www.soprema.ca



**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.