

## MEMBRANE SYSTEMS

# COLVENT SYSTEMS

(Systems series # 800)

**Description:** The **COLVENT SYSTEMS** are heavy duty two-ply roofing systems composed of SBS modified bitumen. The base sheet is semi-adhered because of its discontinuous self-adhesive strips on the bottom face.

Only **COLGRIP A** insulation is an acceptable substrate for **COLVENT** base sheet installation without the use of primer when cap sheet is installed by heat-welding or with hot **SEBS** bitumen. The use of **ELASTOCOL STICK** primer is required with all other substrates. For installation below 0 °C, it is recommended to proceed with base and cap sheet installation the same day.

Since the base sheet adheres only partially to the substrate, it can be installed directly over a **COLGRIP A** insulation board or other approved substrates. Cap sheet can be either torched or adhered with **COLPLY** adhesive.

The special design of the **COLVENT** systems results in speed of installation, stress distribution from the substrate, venting of the membrane underface and vapour diffusion, therefore eliminating risks of blistering.

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

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

## Systems and components:

<b>Systems with torched cap sheet:</b>	<b>Base sheet (12 m x 1 m)</b>	<b>Cap sheets (8 m x 1 m)</b>
	<b>COLVENT 810</b>	<b>COLVENT TRAFFIC CAP-860</b>

<b>Systems with cold adhered cap sheet *:</b>	<b>Base sheet (12 m x 1 m)</b>	<b>Cap sheets (10 m x 1 m)</b>
	<b>COLVENT 820</b>	<b>COLVENT TRAFFIC CAP-880</b>

\* Installation of cap sheet with **COLPLY** adhesive can only be performed at temperatures above 5 °C.

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

**FR cap sheets:** Fire Rated cap sheets are available for increased fire resistance. Use.  
**COLVENT TRAFFIC CAP FR-861** (8 m x 1 m)  
or  
**COLVENT TRAFFIC CAP FR-881** (10 m x 1 m)

**Reinforcements:** The reinforcement used in **COLVENT TRAFFIC CAP-860** and **COLVENT TRAFFIC CAP-880** is heavy-duty composite reinforcement, covered by the ASTM D6162 standard. **COLVENT 810** and **COLVENT 820** 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 systems with cold adhered cap sheet, **COLPLY ADHESIVE BRUSH GRADE** 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	COLVENT Systems
Strain energy, MD/XD (kN/m)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	8.4 / 8.3
Tensile strength, MD/XD (kN/m)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	18 / 16
Ultimate elongation, MD/XD (%)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	55 / 56
Tear resistance (N)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	120
Static puncture (N)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	380
Dimensional stability, MD/XD (%)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	0.1 / 0.4
Plastic flow (°C)	CAN/CGSB-37.56-M 9 <sup>th</sup> draft	105
Cold bending (°C)	- initial - 90 days at 70 °C	-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.