

MEMBRANE SYSTEMS

COLPLY SYSTEMS

(Systems series # 400)

Description: The **COLPLY SYSTEMS** are heavy duty two-ply roofing systems installed over suitable insulation and substrates with cold adhesives. 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.

Heavy-duty **COLPLY SYSTEMS** (using a **TRAFFIC CAP** membrane) can also be adhered with **SOPRASPHALTE M** (SEBS-modified asphalt).

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

- Advantages:**
- Fire hazard associated with open flame is eliminated.
 - Nuisance and odours to building occupants is reduced.
 - Future removal is not required to upgrade system.
 - Lightweight.
 - Hot asphalt or torches are not required.

Systems and components:

	Base sheet (10 m x 1 m)	Cap sheets (10 m x 1 m)
Membranes:	COLPLY BASE-410	COLPLY CAP-450 COLPLY TRAFFIC CAP-460
Flashing base sheets (self-adhered):	SOPRALENE FLAM STICK, SOPRAFLASH FLAM STICK SOPRALENE STICK ADHESIVE, SOPRAFLASH STICK	
Flashing cap sheet:	ONLY use COLPLY TRAFFIC CAP-460 .	
FR cap sheets:	Fire Rated cap sheets are available for increased fire resistance. Use. COLPLY CAP FR-451 (10 m x 1 m) or COLPLY TRAFFIC CAP FR-461 (10 m x 1 m)	
Reinforcements:	The reinforcement used in COLPLY BASE-410 and COLPLY TRAFFIC CAP-460 is heavy-duty composite reinforcement, covered by the ASTM D6162 standard. COLPLY CAP-450 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. 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	COLPLY System with regular Cap Sheet	COLPLY System with TRAFFIC Cap Sheet
Strain energy, MD/XD (kN/m)	CAN/CGSB-37.56-M 9 th draft	11.0 / 10.5	18.4 / 18.1
Tensile strength, MD/XD (kN/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	105
Cold bending (°C) - initial - 90 days at 70 °C	CAN/CGSB-37.56-M 9 th 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.