

MEMBRANE SYSTEMS

SOPRAFIX BASE-640

Description: The **SOPRAFIX BASE 640** membrane complements the Series **600 systems (SOPRAFIX)** as a mechanically fastened base sheet in a two-ply system.

SOPRAFIX BASE 640 has a patented **SELF-ADHESIVE SELVEDGE** exclusive to Soprema, which is 100-mm (4 inch) wide. This particularity allows a safer installation. The membranes selvedge is first fastened with **SOPRAFIX SCREWS & PLATES** as per Soprema's recommended fastening pattern and self-adhered to the adjacent sheet's exposed bitumen, which has to be primed with **ELASTOCOL STICK**.

- Advantages:**
- The Self-Adhesive selvedge makes lap sealing totally safe.
 - Positive mechanical attachment anchors the system even when wind uplift pressure reaches 90 psf.
 - Membrane is independent of substrate components and does not require an insulation overlay.
 - Future removal is not required to upgrade system.
 - Nuisances and odours to building occupants are reduced during the installation.

Systems and components:

Cap sheet application method:	Base sheet	Cap sheets *
Mopped (SEBS):	SOPRAFIX BASE-640 (10 m x 1 m)	SOPRAFIX CAP-670 (10 m x 1 m) SOPRAFIX TRAFFIC CAP-680 (10 m x 1 m)
Self-Adhesive:	SOPRAFIX BASE-640 (10 m x 1 m)	COLPHENE HR GR (10 m x 1 m)
Adhesive:	SOPRAFIX BASE-640 (10 m x 1 m)	SOPRAFIX CAP-670 (10 m x 1 m) SOPRAFIX TRAFFIC CAP-680 (10 m x 1 m)

* For a roofing membrane system with superior mechanical resistance, use systems with "Traffic Cap" cap sheet membranes.

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

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

Reinforcements: The reinforcement used in **SOPRAFIX BASE-640, COLPHENE HR GR** and **SOPRAFIX TRAFFIC CAP-680** is heavy-duty composite reinforcement, covered by the ASTM D6162 standard. **SOPRAFIX CAP-670** 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 systems with cold adhered cap sheet, **COLPLY COLPLY ADHESIVE BRUSH GRADE** should be used to adhere membranes on horizontal surfaces. **COLPLY ADHESIVE TROWEL GRADE** should be used to adhere membranes at upstands and on sloped surfaces.

Systems Properties:

Properties	Standards	SOPRAFIX BASE-640 System with CAP Sheet	SOPRAFIX BASE-640 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
Breaking 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)

Note: Adhesive applications must conform to minimum application temperatures of 5 °C and methods. Consult **SOPREMA** for all adhesive applications.

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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.