

MEMBRANE SYSTEMS

UNILAY SYSTEMS

(Systems series # 700)

Description: The **UNILAY SYSTEM** is a heavy-duty single ply roofing system mechanically fastened to the deck. The joints are sealed by heat welding or with cold adhesive. The top face is protected with coloured granules for U.V. and abrasion resistance. **UNILAY** is ideally suited to sloped roofing applications.

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.
 - Extra wide laps ensure a positive seal at joints.
 - Reduced application costs lower system cost.
 - Lightweight.
 - Future removal is not required to upgrade system.
 - Nuisances and odours to building occupants are reduced.
 - Installation can be parallel or perpendicular to the slope.

Systems and components:

Membrane with torched seams:

UNILAY 750 (7 m x 1 m)

Membrane with adhered seams:

UNILAY 760 (7 m x 1 m)

Flashing base sheets (self-adhered) :

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

* All perimeters, protrusions and gutter areas require a flashing base sheet.

FR cap sheets:

Fire Rated membranes are available for increased fire resistance. Use.

UNILAY FR-751 (7 m x 1 m)

or

UNILAY FR-761 (7 m x 1 m)

Reinforcements:

The reinforcement used in **UNILAY 750** and **UNILAY 760** is heavy-duty composite reinforcement, covered by the ASTM D6162 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. For cold adhesive systems, **COLPLY ADHESIVE BRUSH GRADE** should be used to adhere membranes on horizontal surfaces. Use **COLPLY ADHESIVE TROWEL GRADE** on sloped and vertical surfaces.

System properties :

Properties	Standards	UNILAY System
Strain energy, MD/XD (kN/m)	CAN/CGSB-37.56-M 9 th draft	11.3 / 9.5
Tensile strength, MD/XD (kN/m)	CAN/CGSB-37.56-M 9 th draft	15.2 / 14.0
Ultimate elongation, MD/XD (%)	CAN/CGSB-37.56-M 9 th draft	60 / 60
Tear resistance (N)	CAN/CGSB-37.56-M 9 th draft	125
Static puncture (N)	CAN/CGSB-37.56-M 9 th draft	440
Dimensional stability, MD/XD (%)	CAN/CGSB-37.56-M 9 th draft	0.2 / 0
Plastic flow (°C)	CAN/CGSB-37.56-M 9 th draft	105
Cold bending (°C) - initial - 90 days at 70 °C	CAN/CGSB-37.56-M 9 th draft	-30 -30

(All values are nominal)

Note:

Slopes over 25 % may require additional fastening and reduced sheet length. Adhesive applications must conform to minimum application temperatures and methods. Consult **SOPREMA** for additional information.

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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.