HIGH PERFORMANCE FLAMELESS SOLUTIONS
ROOFS

FOR PROJECTS WHERE A FLAME IS NOT PERMITTED NOR DESIRED
SOPREMA has selected some of its flameless solutions to show that it is possible to build a watertight roof with SOPREMA's products when the use of a torch is prohibited.

**BENEFITS**

- Elimination of propane tools
- Solutions adapted to projects where using a flame is not desired
- Many possible SOPREMA solutions that meet your needs
- Patented DUO SELVEDGE technology
- Composite reinforcement compliant with ASTM D6162
  - Incomparable dimensional stability
  - Excellent resistance to elongation and puncture
- Applicable Mammouth warranties
- CSA 123.21 approved systems
By following temperature-adapted installation methods, the various solutions offered by SOPREMA allow the installation of conventional self-protected granular membrane systems as well as protected membrane roof systems (PMR).

### CONVENTIONAL ROOFING SYSTEMS

<table>
<thead>
<tr>
<th>APPLICATION AT ≥ 10 °C (50 °F)</th>
<th>PRODUCT</th>
<th>ADHESIVE</th>
<th>SELF-ADHESIVE</th>
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<tbody>
<tr>
<td><strong>BASE SHEET</strong></td>
<td>COLVENT BASE 840</td>
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<tr>
<td></td>
<td>SOPRASMART BOARD 180 SANDED*</td>
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<td>SOPRASMART ISO HD 180 SANDED*</td>
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<td></td>
<td>SOPRALENE STICK HR 40</td>
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<tr>
<td><strong>CAP SHEET</strong></td>
<td>SOPRALENE STICK HR GR</td>
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<td>SOPRASTAR STICK HD GR</td>
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<tr>
<th><strong>APPLICATION AT ≥ 0 °C (32 °F)</strong></th>
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<td>SOPRALENE STICK HR GR LT</td>
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### PROTECTED MEMBRANE ROOFING (PMR) SYSTEMS

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1. DUOTACK adhesive
2. SOPRASTICK or COLPLY EF adhesive

*Products are listed with the most restrictive application temperature, but can also be installed at a higher temperature.
INNOVATION

DUO SELVEDGE TECHNOLOGY

- Patented technology (2004).
- Part of the width of the DUO SELVEDGE is sealed with adhesive, creating a watertight seal, which protects components under the base sheet membrane from flame.
- The remaining part is then safely heat-welded or sealed with a hot air gun or the SOPRAMATIC.
- Each panel has an overlap of 1 inch (25 mm) at one end to prevent flame penetration between panels during the application of SOPRALAP cover strips.

SOPRAMATIC

The SOPRAMATIC automatic hot-air welder is the perfect tool to bond DUO SELVEDGE onto SOPREMA membranes.

BENEFITS
- Uniform and consistent fusion
- Nozzle adapted to the dimensions of DUO SELVEDGE
- Speed of execution
- Ideal for large surfaces
The SOPRASMART laminated board family includes products with characteristics, thanks to SOPREMA’s exclusive bonding technology, that are synonymous with speed, quality, durability and efficiency.

**BENEFITS**

- The adhesive is already incorporated into the membrane and activated by the heat of the laminating process
- Laminated in the controlled environment of the factory
- Total adhesion (100%) of the membrane to the support panel
- Support panels tested according to CSA A123.21 Standard
- No addition of adhesive in the lamination process
- Elimination of delamination and wrinkling risks

**SOPRASMART BOARD 180 SAND**

High-performance base sheet panel composed of SBS-modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on an asphaltic board (SOPRABOARD). The surface is sanded.

**SOPRASMART ISO HD 180 SAND**

High-performance base sheet panel composed of SBS-modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on an HD polyisocyanurate insulation support panel (SOPRA-ISO PLUS HD). The surface is sanded.

**CAN BE INSTALLED ALL YEAR LONG WITHOUT ANY TEMPERATURE LIMITATIONS**
FLAMELESS PRODUCTS

COLPLY BASE 410

Base sheet membrane for cold-adhesive application
- The COLPLY BASE 410 high-performance membrane allows roofing work on more sensitive and complex projects. It can be applied with environmentally friendly and odour-free COLPLY EF or SOPRATACK adhesives at temperatures as low as the freezing point.
- Both faces of the base sheet are sanded
- Allows roofing work on sensitive projects

COLPLY EF

Low volatile organic compound (VOC) polyether-based adhesive used to adhere SBS bituminous membranes on low-slope surfaces
- 100% solids
- Sets within 24 hours
- Odour free
- Redistributed base panel movement
  * Flashing version also available

SOPRATACK

Two-component, polyurethane-based adhesive with very low VOC content used to adhere SBS-modified bitumen membranes
- Fully cured in 24 hours
- Odour free
- Perfect product for projects that restrict solvent use and odours
- Excellent adhesion
- Flashing version also available
**COLVENT BASE 840**

Semi-adhered sanded base sheet membrane

- Discontinuous strips of bitumen
- Specially designed for SOPRA-ISO PLUS
- Excellent dimensional stability

- Allows venting of the system
- Redistributed base panel movement
- Decades of proven performance

**SOPRALENE STICK HR 40**

Self-adhesive sanded top face base sheet membrane

- Composite reinforcement
- Used in vertical and horizontal applications for flameless solutions or small horizontal applications

- Fast installation
- Slip-resistant surface that allows workers to move freely and safely on the roof while working
UNIQUE HIGH-PERFORMANCE SELF-ADHESIVE CAP SHEET MEMBRANE

BENEFITS

- Various possible combinations of SOPREMA products
- Composite reinforcement allows matchless dimensional stability
- Platinum Privilege warranty for up to 20 years
- Decades of reliability, good performance, and trust
Over the entire width of DUO SELVEDGE, 50% of the surface is self-adhesive. The remaining surface of the selvedge (50%) is covered by a thermofusible plastic film to seal overlaps by heat-welding with the SOPRAMATIC automatic hot-air welder.

**CAP SHEET MEMBRANE**

**SOPRALENE STICK HG GR**

- Surface covered with highly reflective WHITE granules.
- Ideal flameless cap sheet to reduce the heat island effect.
- Contribution to LEED Sustainable Sites Credit 7.2 – Heat Island Effect.
- Moreover, life expectancy of the membrane is potentially extended thanks to the reduction of heat absorption in the system, and also due to the decrease of the roofing system’s surface temperature (15 to 20 °C less than other colours).
A FEW POSSIBLE COMBINATIONS

1 Self-adhesive vapour barrier
   - SOPRAVAP'R
2 DUOTACK adhered or mechanically fastened insulation panels
   - SOPRA-ISO PLUS
3 Self-adhesive base sheet
   - COLVENT BASE 840
4 Self-adhesive cap sheet
   - SOPRALENE STICK HR GR
   - SOPRASTAR STICK HD GR

1 Self-adhesive vapour barrier
   - SOPRAVAP'R
2 DUOTACK adhered or mechanically fastened insulation panels
   - SOPRA-ISO
3 DUOTACK adhered or mechanically fastened base sheet
   - SOPRASMART ISO HD 180 SANDED
   - SOPRASMART BOARD 180 SANDED
4 SOPRATACK bonded cap sheet
   - COLPLY TRAFFIC CAP 460

1 Self-adhesive vapour barrier
   - SOPRAVAP'R
2 DUOTACK adhered or mechanically fastened insulation panels
   - SOPRA-ISO
3 DUOTACK adhered or mechanically fastened base sheet
   - SOPRASMART ISO HD 180 SANDED
   - SOPRASMART BOARD 180 SANDED
4 Self-adhesive cap sheet
   - SOPRALENE STICK HR GR or LT
   - SOPRASTAR STICK HD GR
1 Sopratack bonded base sheet
   - Colply Base 410
2 Sopratack bonded cap sheet
   - Colply Base 410
3 Loose laid insulation panels
   - Sopra-Xps
4 Drainage boards or filter cloth
   - Sopradrain ECO-Vent
   - Soprafiltre

1 Duotack adhered base sheet
   - Soprasmart Iso HD 180 Sanded
   - Soprasmart Board 180 Sanded
2 Self-adhesive cap sheet
   - Sopralene Stick HR 40 or LT
3 Loose laid insulation panels
   - Sopra-Xps
4 Drainage boards or filter cloth
   - Sopradrain ECO-Vent
   - Soprafiltre
INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders’ ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

SOPREMA.CA 1.877.MAMMOUTH