



HIGH  
PERFORMANCE  
FOR YOUR  
ROOFING



# HIGH PERFORMANCE

SOPREMA High Performance Roofing waterproofing systems are designed with one basic criterion: durability. Our High Performance systems are composed of a base sheet and cap sheet membrane with a robust composite reinforcement, providing superior resistance to movement caused by temperature fluctuations.

The composite reinforcement used in SOPREMA High Performance systems combines the benefits of glass mat and polyester reinforcement, and stands out for its excellent mechanical properties, dimensional stability and puncture resistance, while meeting the criteria of standard ASTM D6162.

High Performance systems	Installing the base sheet membrane	Installing the cap sheet membrane
COLPLY Ideal for fully adhered flameless installations	With adhesive	With adhesive
COLVENT Ideal for application directly over the insulation	Self-adhesive Partially adhered	Heat-welded With SEBS hot bitumen With adhesive Self-adhesive
SOPRAFIX Ideal for steel deck roofing	Mechanically fastened	Heat-welded With SEBS hot bitumen With adhesive Self-adhesive
SOPRAPLY Ideal for conventional roofing with cover boards	With hot bitumen Heat-welded	Heat-welded
XPRESS HD Ideal for repair work	Mechanically fastened	Heat-welded With SEBS hot bitumen With adhesive Self-adhesive
UNILAY (slopes 3% and greater) Ideal for sloped roofing	N/A	Mechanically fastened



## A standard for evaluating the performance of roofing systems

Soprema is the first Canadian manufacturer to offer mechanically attached systems that have been tested according to standard CSA A123.21. With dynamic testing in the CSA A123.21 standard, it is now possible to reproduce real dynamic wind load conditions on roofing systems. For more information about standard CSA A123.21, refer to the Technical References section at [www.soprema.ca](http://www.soprema.ca), under the CSA A123.21 category.

## Warranties

Choosing SOPREMA means choosing reliability. As a testimony to the trusted performance of its products, SOPREMA offers a complete Warranty program that lives up to its reputation. You simply choose the level of protection you require to ensure your total peace of mind.

### The PLATINUM

The **PLATINUM** Warranty is available in on ALL SOPREMA roofing systems in increments of five, ten and fifteen years. Additional protection for your roofing system.

### Protection for new

## *Généralions*

To minimize the environmental impact and to help save you time and money, SOPREMA has a number of roofing solutions that eliminate the need to remove the old roofing system. These products are protected by 10- or 15-year **PLATINUM GENERATIONS** Warranty.

## A PRIVILEGED WARRANTY FOR UNIQUE PRODUCTS

The **PLATINUM PRIVILEGE** Warranty applies exclusively to SOPREMA's high-performance waterproofing systems. Featuring a composite construction, these membranes exhibit superior strength. As a testimony to their durability, SOPREMA offers a **PLATINUM PRIVILEGE** Warranty on these products for the price of a regular **PLATINUM** Warranty but for longer periods up to 20 years.

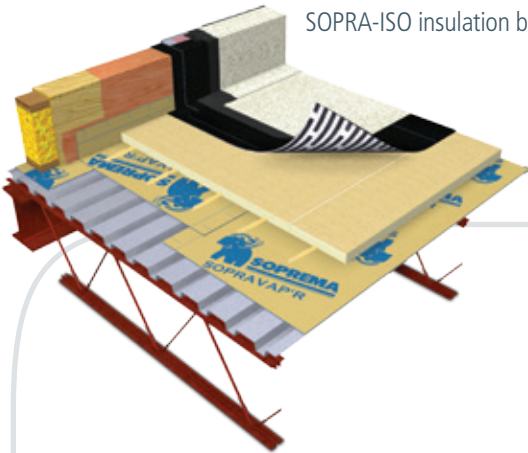
# colvent

Ideal for application directly over the insulation

This unique system prevents blistering and allows for better dispersion of stress, minimizing folds over time, and providing you with the best waterproofing available!

The COLVENT High Performance roofing waterproofing system is composed of a base sheet membrane installed partially adhered with discontinuous self-adhesive strips and a cap sheet membrane that is either heat-welded or glued, self-adhered or installed with SEBS hot bitumen.

The COLVENT waterproofing system reduces the adverse effects of thermal cycles by redistributing cover board movement. The COLVENT base sheet membrane is easily installed directly onto SOPRA-ISO insulation boards.



## SOPRA-ISO

SOPRA-ISOwww is a polyisocyanurate plastic foam inserted between two layers of specially formulated fiberglass. These layers are impregnated with a patented bitumen coating, making the surface smooth and even, with no non-adhered fibers. Inorganic and homogeneous, these layers provide excellent dimensional stability. Once installation is complete, the bond between base sheet membrane and insulation cannot be broken. The result is a technically superior roofing system that does not require the costly installation of intermediary organic panels.



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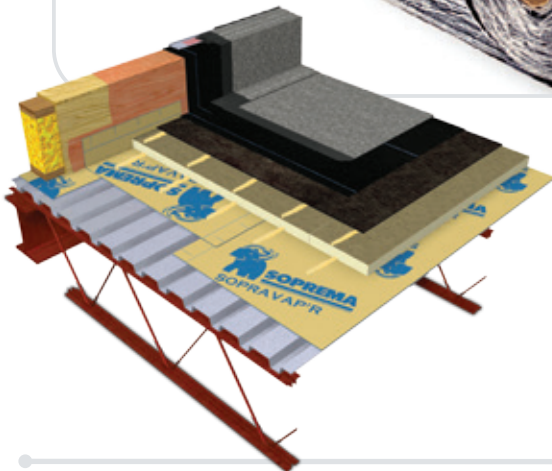
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# SOPRAPLY

Ideal for conventional roofing  
with cover boards

SOPRAPLY is a heavy-duty two-ply waterproofing system designed for conventional installation over suitable surfaces. The system can be adhered with hot bitumen or heat-welded. With its composite reinforcement, this system offers superior mechanical properties that give it greater strength than traditional roofing systems.





# SOPRAFIX



## MECHANICALLY-FASTENED SBS SYSTEM

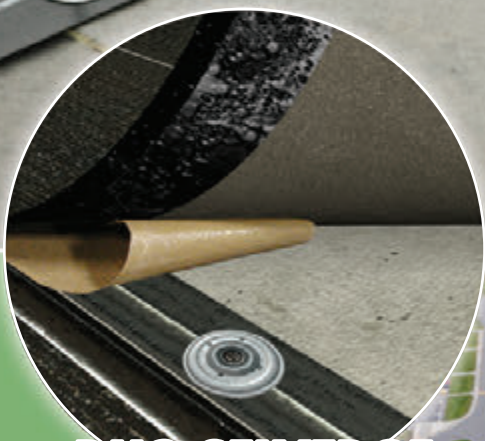
Tested according to CSA  
A123.21-14 Standard

Quick and safe  
installation

Excellent resistance  
(elongation and puncture)

Superior waterproofing

Incomparable dimensional  
stability



**DUO SELVEDGE**  
TECHNOLOGY



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[www.soprema.ca](http://www.soprema.ca)



## HIGH PERFORMANCE

SOPREMA's High Performance roofing systems are designed with one basic criterion: durability.

In order to achieve this, the base sheets or cap sheets of these roof waterproofing systems include composite reinforcement.

## COMPOSITE REINFORCEMENT

The composite reinforcement used in SOPREMA High Performance Systems combines the stability of glass mat and the exceptional properties of non-woven polyester to meet a basic criterion: durability.

**Excellent resistance**, since it combines the benefits of glass mat (stability) and polyester (elongation and puncture) reinforcements.

**Incomparable dimensional stability** despite frequent weather variations.

**Better wind resistance** than a system reinforced with a conventional polyester, whether virgin or recycled.

## PLATINUM PRIVILEGE WARRANTY

As a testimony to the durability of High Performance waterproofing membranes, SOPREMA can offer a PLATINUM PRIVILEGE Warranty.

This can extend your warranty period to 20 years!



## TESTS AND APPROVALS

### ASTM D6162

SOPRAPHIX products tested in accordance with ASTM D6162 comply with the stringent standards recognized in Canada and the USA. The ASTM D6162 Standard evaluates the performance of SBS membranes with composite reinforcement for building roofing or waterproofing. These high standards are unquestionably a guarantee of quality.

### CSA A123.21-14

SOPRAPHIX membranes tested according to CSA A123.21-14 Standard were subjected to 2,200 cycles, reproducing the actual dynamic load conditions due to wind on roofing systems.

### FM 4470


Products, such as SOPRAPHIX, that receive FM approval have all passed a series of tests, including physical properties (hail, foot traffic, etc.), fire resistance and wind uplift tests (static method). Therefore, FM can then insure systems using SOPRAPHIX Products.

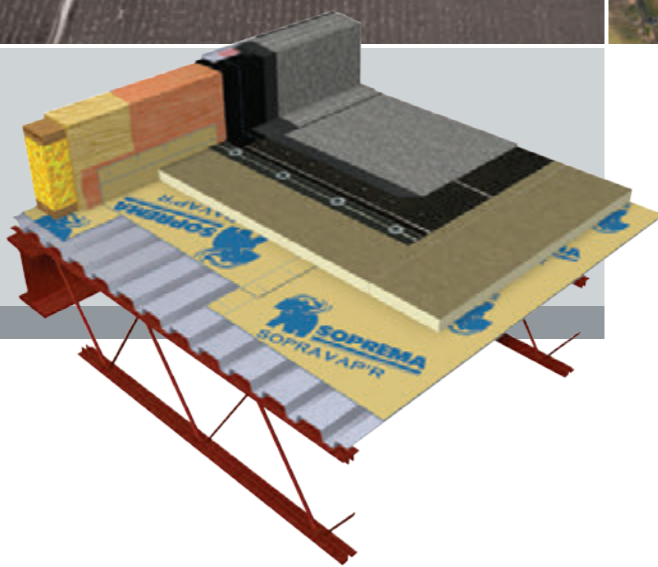
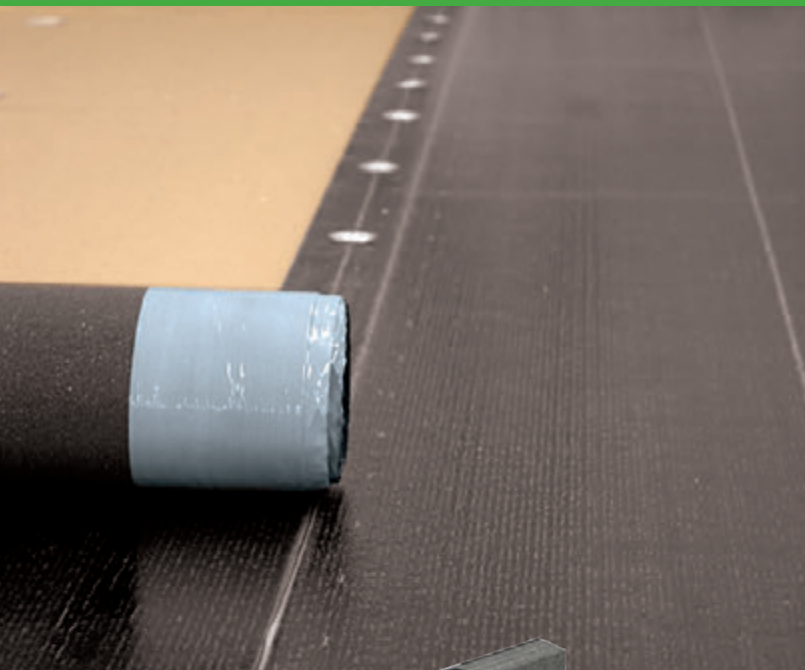
### CGSB 37.56-M (9<sup>TH</sup> DRAFT)

Canadian General Standards Board (CGSB) is the federal government agency that established this standard. SOPRAPHIX membranes, which have successfully met a series of physical and mechanical property tests, meet this required National Building Code standard.

### ULC-S107

Underwriters Laboratories of Canada (ULC) is an independent certification and inspection organization performing tests on products to ensure their safety. This certification is very important for a product like SOPRAPHIX. Indeed, all roofing membranes must be tested in compliance with ULC-S107 to be considered as conforming to the National Building Code.





The SOPRAFIX system is a double-layer roof system composed of a high-strength base sheet **mechanically fastened** directly on the insulation panels with SOPRAFIX screws and plates, and of a cap sheet, which can be:

- Heat-welded;
- Self-adhesive;
- Adhered with hot SEBS bitumen;
- Bonded with adhesive.

## MECHANICALLY FASTENED HIGH PERFORMANCE BASE SHEETS

SOPRAFIX BASE 620 — Top face: sanded

SOPRAFIX BASE 630 — Top face: thermofusible plastic film

**DUO SELVEDGE**  
TECHNOLOGY

## HEAT-WELDED HIGH PERFORMANCE CAP SHEETS

SOPRAPLY TRAFFIC CAP

SOPRAPLY TRAFFIC CAP FR

SOPRAFIX BASE 630

SOPRAFIX TRAFFIC CAP 660





SOPRAFIX SCREWS AND PLATES



DUO SELVEDGE TECHNOLOGY

## THE ONLY SBS SYSTEM WITH MECHANICALLY FASTENED BASE SHEET

- That meets the ASTM D 6162 Standard in North America;
- That is tested by an independent laboratory in compliance with CSA A123.21-14 Standard developed by the NRC.

## QUICK AND SAFE INSTALLATION

- Very safe installation thanks to the DUO SELVEDGE technology exclusive to SOPREMA
- Quick installation, since it is a mechanically fastened system
- No support panel needed over approved substrates

## DUO SELVEDGE TECHNOLOGY

For the safest installation, SOPRAFIX BASE 630 base sheet is provided with DUO SELVEDGE, a unique technology developed and patented by SOPREMA in 2004.

On the full width of DUO SELVEDGE, a percentage is sealed with self-adhesive, which protects components under the base sheet from torch flame. The remaining part is then safely heat-welded or sealed with a hot air gun or the SOPRAMATIC. This provides additional safety when the cap sheet is not installed immediately.

## THE BENEFITS OF COMPOSITE REINFORCEMENT

- **Superior waterproofing**, due to the quantity of bitumen (**20% more**) contained in a SOPRAFIX system, compared to a system composed of membranes that are strengthened with a polyester reinforcement



POLYESTER REINFORCEMENT

- **Excellent resistance** since this composite reinforcement combines the advantages of glass mat reinforcements (stability) and polyester (elongation and puncture)
- **Incomparable dimensional stability**, despite the many temperature changes it must withstand

**+ 20% MORE BITUMEN\***



COMPOSITE REINFORCEMENT

- **Better wind resistance** than a system strengthened with conventional polyester, whether virgin or recycled

\* in the SOPRAFIX system



**SOPREMA**

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