



Cool down the roof with SOPRASTAR GR Reflective Membranes

As part of its continuing effort to promote sustainable development, SOPREMA introduces to the roofing industry the SOPRASTAR GR line of High Performance, reflective and emissive SBS modified bitumen cap sheet membranes.

SOPRASTAR GR membranes are cap sheets, which are covered with ultra white slates in order to reflect the sun's rays. These reflective slates help cool down the roofing system consequently extending its service life. The installation of SOPRASTAR GR membranes on several roofs in urban areas could also significantly reduce the urban heat island effect.

A truly, environmentally friendly design solution

SOPRASTAR GR membranes are part of the SOPREMA High Performance line of roofing systems. When compared to other cool roofing products, SOPRASTAR GR cap sheet membranes are the most sustainable solutions and offer several benefits.

Like all the SOPREMA High Performance membranes, SOPRASTAR GR cap sheet membranes have the ability to recover existing roofing systems and to be recovered up to three times or even more. In addition to saving time and money, this environmentally friendly practice considerably reduces construction waste by doubling and even tripling the service life expectancy of a roofing system.

SOPRASTAR GR membranes have a longer service life than traditional cap sheet membranes covered with darker coloured granules. Highly reflective and emissive slates preserve the superior flexibility properties of the SOPRASTAR GR membranes by protecting the SBS modified bitumen against the damaging effects of heat and UV rays.

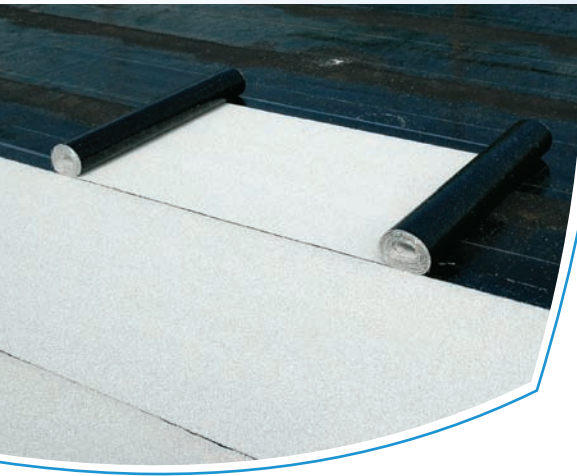
The SOPRASTAR GR line of membranes consists of **3 types of products:**

SOPRASTAR FLAM HD GR
Heavy Duty High Performance thermofusible cap sheet

SOPRASTAR STICK HD GR
Heavy Duty High Performance self-adhesive cap sheet

SOPRASTAR HD GR Sanded
Adhesive applied cap sheet





SOPRASTAR GR membranes can be used in combination with the following High Performance base sheet membranes:

- XPRESS BOARD, XPRESS ISO, XPRESS EPS
- COLPLY
- COLVENT
- SOPRABASE
- SOPRAPHIX
- SOPRAFLASH STICK, SOPRAFLASH FLAM STICK
- SOPRAPLY

A unique solution for sustainable design

LEED Program

SOPRASTAR GR membranes are one of the solutions offered by SOPREMA to meet the needs of sustainable roof designers.

For roofs with a slope greater than 2:12, SOPRASTAR GR membranes used on at least 75% of the total roof area qualify for LEED credit SS7.2 regarding the reduction of the urban heat island. For low-slope roofs (2:12 or less), CaGBC allows the use of a weighted average for the calculation of the SRI value (consult Reference Guide Addendum for LEED Canada NC published in September 2007). Consequently, the combination of SOPRASTAR GR membranes on 82% of the total roof area and of SOPRASTAR R-NOVA for the remaining 18% will meet the required weighted average SRI of 66. The SOPRASTAR GR membranes along with some of the following sustainable solutions from SOPREMA can contribute to other points in different categories of the LEED program:

- **SOPRANATURE**
Garden roof systems
- **SOPRASTAR R-NOVA**
Reflective coating
- **XPRESS BOARD, XPRESS ISO, XPRESS EPS**
Laminated base sheet membranes on mineral wool insulation
- **ELASTOCOL STICK H₂O**
Water based primer

BENEFITS

For owners

- During the summer months, SOPRASTAR GR membranes can help reduce cooling costs by minimizing heat transmission into the building.
- Being more resistant and durable, SOPRASTAR GR cap sheet membranes protect the components of a roof assembly reducing deterioration and minimizing eventual reroofing costs.
- SOPRASTAR GR membranes are manufactured with SBS modified bitumen, a technology that has proven its reliability and durability for the last 40 years.
- SOPRASTAR GR High Performance membranes can be offered with a PLATINUM Warranty, for up to 20 years.

For installers

- SOPRASTAR GR cap sheet membranes are as easy to install as all of our SOPREMA's SBS modified bitumen membranes. Their installation does not require any extra equipment, workmanship or specific training.
- SOPRASTAR GR membranes come with the same unsurpassed technical support, training and advice as all other SOPREMA products.

