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TECHNICAL DATA SHEET
180814SCANÉ
(supersedes 170201SCAN1E)

SOPRASTAR FLAM HD GR*

SOPRASTAR STICK HD GR

SOPRASTAR HD GR*

DESCRIPTION

SOPRASTAR FLAM HD GR*, **SOPRASTAR STICK HD GR** and **SOPRASTAR HD GR*** are high performance cap sheet membranes composed of SBS modified bitumen and a composite reinforcement. Those cap sheet membranes are covered with highly reflective white granules.

* Fire rated cap sheet membranes (**SOPRASTAR FLAM HD FR GR** and **SOPRASTAR HD FR GR**) are also available for increase fire resistance.

INSTALLATION

SOPRASTAR FLAM HD GR* is a heat-welded with a propane torch.

SOPRASTAR STICK HD GR is a self-adhesive membrane and **SOPRASTAR HD GR*** is adhered using **COLPLY ADHESIVE** or **SOPRASPHALTE M** hot SEBS bitumen. Both are installed over a sanded base sheet membrane.

FOR COMPLETE INFORMATION ON APPLICATION AND SYSTEMS, PLEASE CONSULT OUR SPECIFICATION MANUAL.

LEED® SOLUTION

SOPRASTAR membranes have a SRI of **82**, which meet the requirements of the Canadian Green Building Council's (CaGBC) LEED® credit SS7.2 regarding heat island.

PACKAGING

| Properties | SOPRASTAR FLAM HD GR | SOPRASTAR STICK HD GR | SOPRASTAR HD GR |
|--------------------|---|--|--|
| Thickness | 4.0 mm (158 mil) | | |
| Reinforcement | Composite | | |
| Dimensions | 8 x 1 m (26.2 x 3.3 ft) | | |
| Roll weight | 4.9 kg/m ² (1.0 lb/ft ²) | 4.7 kg/m ² (0.96 lb/ft ²) | 4.8 kg/m ² (0.98 lb/ft ²) |
| Selvedge width | 100 mm (4 in) | | |
| Top face | Highly reflective white granules | | |
| Underface | Thermofusible plastic film | Release protection film | Sanded |
| Application method | Heat Welded | Self-adhesive | With adhesive or hot SEBS bitumen |
| Rolls per skid | 25 | | |



NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

SOPRASTAR FLAM HD GR*

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SOPRASTAR HD GR*

PROPERTIES

As per CAN/CGSB-37.56-M, 9th draft.

| Properties | MD | XMD |
|----------------------------------|---|-----------|
| Strain energy | 11.9 kN/m | 9.5 kN/m |
| Breaking strength | 19.5 kN/m | 15.1 kN/m |
| Ultimate elongation | 61 % | 75 % |
| Tear resistance | 70 N | |
| Static puncture resistance | 470 N | |
| Dimensional stability | -0.2 % | 0.1 % |
| Plastic flow | ≥ 110 °C (230 °F) for SOPRASTAR FLAM HD GR & SOPRASTAR STICK HD GR ≥ 105 °C (221 °F) for SOPRASTAR HD GR | |
| Cold bending, at -30 °C (-22 °F) | No cracking | |
| Lap joint strength | Pass > 4 kN/m | |
| SRI (ASTM E 1980) ¹ | 82 | |

1. (The reflectivity and emissivity were measured as per ASTM C 1549 and C 1371 respectively.)
Meets and exceeds the requirements of CAN/CGSB-37.56-M, 9th draft).
(All values are nominal)

STORAGE & HANDLING

Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after removal of the delivery packaging.

