

SOPRALENE® ULTRA-STICK FR GR

Self-Adhered, Fire Retardant, Granulated SBS-Modified Bitumen Membrane

PRODUCT DATA SHEET PDS10428 - REV 230626



APPLICATIONS

ROOFING

PRODUCT NUMBERS:

- 05020 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll
Standard white granules (WH)
- 05021 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll
Highly reflective white granules (SG)

Contact SOPREMA® Customer Service or your sales representative for other granule color options and special order requirements.

DESCRIPTION & FEATURES:

SOPRALENE ULTRA-STICK FR GR (fire retardant, granules) is a self-adhered SBS-modified bitumen membrane approved for use in roofing assemblies as a cap ply.

SOPRALENE ULTRA-STICK FR GR is reinforced with a tough, dimensionally stable non-woven polyester mat that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- Specially formulated high-tack adhesive forms an immediate long-lasting bond to a variety of substrates
- Granule surfacing provides added resistance to weathering and foot traffic
- Polyester reinforcement provides superior tear strength and puncture resistance
- Meets or exceeds requirements of ASTM D6164, Type I, Grade G

USES:

SOPRALENE ULTRA-STICK FR GR is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Cap Ply	N/A
Flashing Cap Ply	N/A

¹ Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

APPLICATION:



SELF
ADHERED

Prior to installation, unroll **SOPRALENE ULTRA-STICK FR GR** onto the roof surface and allow to relax. Place **SOPRALENE ULTRA-STICK FR GR** in desired position. Remove the protective release film from the underside of the sheet and roll **SOPRALENE ULTRA-STICK FR GR** into place with a weighted roller.

Refer to the SOPREMA SBS-Modified Bitumen Membrane Roofing Technical Manual for complete application guidelines.

STORAGE:

Store rolls in an upright position to prevent damage, do not double stack pallets. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Storage temperature range should be between 55°F (12.8°C) and 80°F (26.7°C). For prolonged storage please store indoors at recommended temperatures. Approximate shelf life is 12 months from date of manufacturing when properly stored.

LIMITATIONS:

Adequate surface preparation is the key to proper adhesion. Ensure all substrates are clean, dry and have received the specified self-adhesive primer. NOTE: when self-adhering to an ULTRA-STICK base ply or base sheet use of a primer is prohibited.

Ambient and surface temperatures must be between 40°F (4°C) and below 110°F (43°C). Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above the dew point.

Not intended to perform under ponding water conditions. Positive drainage required.



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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES

PROPERTY	VALUE
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6164, Type I, Grade G
Reinforcement	Non-woven polyester
Top surfacing	Ceramic coated granules
Back surfacing	Embossed split-back release film
Selvage surfacing	Polyolefin film
Selvage width, in (mm)	3 (76)

DIMENSIONS & MASS

PROPERTY	VALUE	ASTM TEST METHOD
Length, ft (m)	32.8 (10.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft ² (m ²)	97.9 (9.1)	D5147
Roll weight, lb (kg)	100-101 (45.4-45.8)	D5147
Rolls per pallet	16	D5147
Pallet weight, lb (kg)	1,650-1,666 (749-755)	D5147
Thickness (minimum), mils (mm)	130 (3.3)	D5147
Thickness (nominal), mils (mm)	138 (3.5)	D5147
Thickness (selvage), mils (mm)	98.4 (2.5)	D5147
Net mass per unit area, lb/100 ft ² (g/m ²)	92.5 (4,517.3)	D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	D5147

*Coverage rate as reported assumes installation using side and end lap recommendations.

PHYSICAL PROPERTIES

PROPERTY	MD	XMD	ASTM TEST METHOD
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	95 (16.6)	75 (13.1)	D5147
Elongation at peak load @ 73.4°F (23°C), %	70	70	D5147
Ultimate Elongation @ 73.4°F (23°C), %	75	75	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	130 (578.3)	110 (489.3)	D5147
Low temperature flexibility, °F (°C)	0 (-18)	0 (-18)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	215 (101)	215 (101)	D5147
Granule embedment, g	1.5 avg; 2.0 max for SG		D5147

Data is represented by average values, unless noted otherwise.



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SUSTAINABILITY



COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
SOPRALENE ULTRA-STICK FR GR Standard white granules (WH)	0.26 initial	0.23 3 year	0.90 initial	0.89 3 year	25 initial	23 3 year
SOPRALENE ULTRA-STICK FR GR Highly reflective white granules (SG)	0.70 initial	0.62* 3 year	0.90 initial	0.90* 3 year	86 initial	75* 3 year

CRRC published results for Solar Reflectance, Thermal Emittance and SRI results were tested and evaluated in accordance with ASTM C1549, C1371, E1980, D7897 and the CRRC-1 Product Rating Program Manual.

* CRRC Rapid Ratings. Refer to Cool Roof Ratings Council (CRRC).

TESTING & APPROVALS:



NOA # 20-0825.11

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.