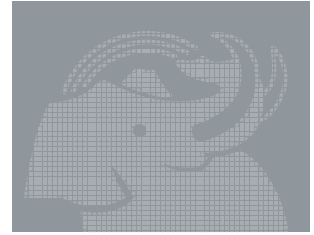


# ELASTOPHENE® LS FR GR

Low-Slope, Fire Retardant, Granulated SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10014 - REV 230621

## PRODUCT NUMBERS:

- 01062 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll  
Standard white granules (WH)
- 05007 - 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:

**ELASTOPHENE LS FR GR** (low-slope, fire retardant, granulated) is a SBS-modified bitumen membrane approved for use in roofing assemblies as a cap ply. **ELASTOPHENE LS FR GR** is reinforced with a glass fiber mat that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- SBS rubber polymer enhances the asphalt blend adding elongation, elasticity and flexibility to the sheet
- Granule surfacing provides added resistance to weathering and foot traffic
- Sanded-backside surfacing improves bonding strength between system layers
- Meets or exceeds requirements of ASTM D6163, Type I, Grade G

## USES:

**ELASTOPHENE LS FR GR** is used as a component in the following systems:

USE	OVERLYING MATERIAL
Field Cap Ply <sup>1</sup>	N/A

<sup>1</sup> Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

## APPLICATION:



Prior to installation, unroll **ELASTOPHENE LS FR GR** onto the roof surface and allow to relax. Place **ELASTOPHENE LS FR GR** in desired position and back roll the product. Apply approved cold adhesive following manufacturer specifications. **ELASTOPHENE LS FR GR** is then placed into the cold adhesive and rolled with a weighted roller to ensure adhesion.

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. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

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## TECHNICAL INFORMATION & TESTING:

### SHEET PROPERTIES

PROPERTY	VALUE
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6163, Type I, Grade G
Reinforcement	Glass fiber
Top surfacing	Ceramic coated granules
Back surfacing	Sanded
Selvage surfacing	Sanded
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 <sup>2</sup> (m <sup>2</sup> )	97.9 (9.1)	D5147
Roll weight, lb (kg)	94-99 (42.5-44.8)	D5147
Rolls per pallet	25	D5147
Pallet weight, lb (kg)	2,400-2,525 (1,085-1,143)	D5147
Thickness (minimum), mils (mm)	130 (3.3)	D5147
Thickness (nominal), mils (mm)	138 (3.5)	D5147
Thickness (selvage), mils (mm)	98 (2.8)	D5147
Net mass per unit area, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	99.4 (4,853)	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 @ 0°F (-18°C), lbf/in (kN/m)	110 (19.3)	95 (16.6)	D5147
Elongation at peak load @ 0°F (-18°C), %	4	4	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	50 (8.8)	40 (7.0)	D5147
Elongation at peak load @ 73.4°F (23°C), %	5	4	D5147
Ultimate Elongation @ 73.4°F (23°C), %	50	50	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	60 (267)	60 (267)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	250 (121)	250 (121)	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	
<b>ELASTOPHENE LS FR GR</b> Standard white granules (WH)	0.26 initial	0.23 3 year	0.90 initial	0.89 3 year	25 initial	23 3 year
<b>ELASTOPHENE LS FR GR</b> 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:



FLORIDA BUILDING CODE



NOA # 20-0825.11



LARR # 26062

## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.