

# ELASTOPHENE® STICK HR FR GR

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



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10037- REV 230626

## PRODUCT NUMBERS:

- 07055 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll  
Standard white granules (WH)

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

## DESCRIPTION & FEATURES:

**ELASTOPHENE STICK HR FR GR** (high-resistance, fire retardant, granulated) is a self-adhered SBS-modified bitumen membrane approved for use in roofing assemblies as a cap ply. **ELASTOPHENE STICK HR FR GR** is reinforced with a glass scrim 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
- Sanded-surfacing improves bonding strength between system layers
- Reinforced with a glass scrim that increases the membrane's strength and durability
- Meets or exceeds requirements of ASTM D6163, Type II, Grade G

## USES:

**ELASTOPHENE STICK HR FR GR** is used as a component in the following systems.

| USE           | OVERLYING MATERIAL |
|---------------|--------------------|
| Field Cap Ply | N/A                |

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

## APPLICATION:



SELF  
ADHERED

Prior to installation, unroll **ELASTOPHENE STICK HR FR GR** onto the roof surface and allow to relax. Place **ELASTOPHENE STICK HR FR GR** in desired position. Remove the protective release film from the underside of the sheet and roll **ELASTOPHENE STICK HR 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 receive the specified self-adhesive primer.

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          | D6163, Type II, Grade G                       |
| Reinforcement          | Glass scrim                                   |
| Top surfacing          | Ceramic coated granules                       |
| Back surfacing         | Self-adhered with release film                |
| Selvage surfacing      | Self-adhered with release 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 <sup>2</sup> (m <sup>2</sup> )                       | 97.9 (9.1)    | D5147            |
| Roll weight, lb (kg)   | 97 (44.0)     | D5147            |
| Rolls per pallet   | 25            | D5147            |
| Pallet weight, lb (kg)   | 2,475 (1,123) | D5147            |
| Thickness (minimum), mils (mm)                                     | 130 (3.3)     | D5147            |
| Thickness (nominal), mils (mm)                                     | 138 (3.5)     | D5147            |
| Thickness (selvage), mils (mm)                                     | 102 (2.6)     | D5147            |
| Net mass per unit area, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> ) | 81.4 (3,972)  | D5147            |
| Bottom coating thickness, mils (mm)                                | ≥ 40 (1.0)    | D5147            |
| Shelf life, months   | 12            | 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)     | 185 (32.5) | 165 (28.9) | D5147            |
| Elongation at peak load @ 0°F (-18°C), %   | 6          | 6          | D5147            |
| Peak load @ 73.4°F (23°C), lbf/in (kN/m)   | 110 (19.4) | 105 (18.5) | D5147            |
| Elongation at peak load @ 73.4°F (23°C), % | 10         | 10         | D5147            |
| Ultimate Elongation @ 73.4°F (23°C), %     | 60         | 45         | D5147            |
| Tear strength @ 73.4°F (23°C), lbf (N)     | 180 (801)  | 190 (845)  | D5147            |
| Low temperature flexibility, °F (°C)       | -15 (-26)  | -15 (-26)  | D5147            |
| Dimensional stability, %                   | < 0.1      | < 0.1      | D5147            |
| Compound stability, °F (°C)                | 240 (116)  | 240 (116)  | D5147            |
| Granule embedment, g                       | 1.5 avg    |            | D5147            |

Data is represented by average values, unless noted otherwise.



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## SUSTAINABILITY



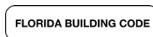
### COOL ROOF RATING

| PRODUCT  | SOLAR REFLECTANCE |                | THERMAL EMITTANCE |                | SRI           |              |
|--|-------------------|----------------|-------------------|----------------|---------------|--------------|
| ELASTOPHENE STICK HR FR GR<br>Standard white granules (WH) | 0.26<br>initial   | 0.23<br>3 year | 0.87<br>initial   | 0.90<br>3 year | 25<br>initial | 23<br>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



HUD MR 1340



LARR # 26062

## WARRANTY:

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