

POLYFRESKO® G SBS FR

HIGHLY REFLECTIVE SBS CAP SHEET

PRODUCT DESCRIPTION

Polyfresko G SBS FR is a premium styrene-butadiene-styrene (SBS) modified bitumen roofing membrane designed for torch applications. Featuring patented CURE Technology, Polyfresko G SBS FR has a highly reflective granule surface which meets or exceeds applicable standards for cool roofing and is listed with the Cool Roof Rating Council (CRRC) with an SRI of 96.

Polyfresko G SBS FR is constructed with a high performance polyester reinforcement which provides for a roofing membrane with exceptional tensile strength and dimensional stability. CURE's innovative thin film technology provides the added features of exceptional granule retention, stain and discoloration resistance and UV stabilization for long-term durability and performance. Polyfresko G SBS FR is free of any VOCs and is environmentally friendly.

Polyfresko G SBS FR membranes can be used as part of a Polyglass warranted multi-ply system, or as a flashing membrane in all applicable specifications in accordance with recommended installation practices.

TYPICAL APPLICATIONS

- Designed for heat-welded applications
- For application directly over acceptable substrates and/or part of multi-ply systems
- Ideal for new roofing, re-roofing, and for flashing details

FEATURES AND BENEFITS


- CA Title 24 compliant
- Scorch resistant surface
- Premium membrane construction for exceptional durability and puncture resistance
- Exceptional granule retention

TECHNICAL DESCRIPTION

| TEST METHOD | PROPERTY | ASTM VALUE |
|-------------|--|------------|
| ASTM D5147 | Peak Load @ 23+/-2C (73.4+/-3.6F), MD and XMD, min, kN/m (lbf/in.) | 8.8 (50) |
| ASTM D5147 | Elongation @ 23+/-2C (73.4+/-3.6F), MD and XMD, min (%) | 35 |
| ASTM D5147 | Tear Strength @ 23+/-2C (73.4+/-3.6F), min, N (lbf) | 246 (55) |
| ASTM D5147 | Low Temperature Flexibility, max, C (F) | -18 (0) |
| ASTM D5147 | Granule Embedment, g | 2 |

AVAILABLE COLORS

Highly Reflective White

| | | | | |
|---|-------------------------------|--------------|---------------------|-------------------|
|  | Solar Reflectance | Initial 0.77 | Rapid Ratings* 0.72 | Weathered Pending |
| | Thermal Emittance | 0.90 | 0.90 | Pending |
| | Solar Reflectance Index (SRI) | 96 | 89 | Pending |
| | Rated Product ID Number | 0616-0011a | | |
| | Licensed Seller ID Number | 0616 | | |

*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced with the measured three-year aged values upon completion of the weathering process.
Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



PRODUCT DATA

| | |
|---------------------------|-----------------------------|
| Coverage (Approx)..... | 100 sq ft |
| Weight (Approx) | 110 lbs |
| Thickness (Nominal) | 4.2 mm; 168 mils |
| Roll Size | 32'10" x 39 3/8" (10m x 1m) |
| Rolls/Pallet..... | 20 |

APPLICABLE STANDARDS

- ASTM D6164 Type I
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- Factory Mutual Approved
- ICC ESR-2018
- FBC
- Miami Dade Code Compliance
- TDI
- CRRC Listed



PRODUCT WARRANTY

Polyglass U.S.A., Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 20 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass U.S.A., Inc. Sales or Technical Representative for specifications and details.



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APPLICATION INSTRUCTIONS

Polyfresko G SBS FR is intended to be used as the primary weathering surface in new and re-roof applications. Polyfresko G SBS FR is to be applied as the uppermost layer of a multi-ply roof system over a compatible Polyglass base and/or interply sheet. Polyfresko G SBS FR may be applied directly to certain non-combustible substrates.

- Apply over a clean, dry and dust free substrate. Prime required substrates prior to application with PG100 or other acceptable ASTM D41 Asphalt Primer.
- When re-roofing, remove all prior roofing materials down to a clean, dust free substrate. Remove unused or abandoned through-roof penetrations.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- Installation of Polyfresko G SBS FR should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- While installing Polyfresko G SBS FR:
 1. Start at the lowest point of the roof.
 2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
 3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material.
 4. Do not overheat to expose or compromise the reinforcement.
 5. Position successive rolls providing for a minimum 6" endlap and 3" sidelap. Bleed out of SBS asphalt should be 1/8" to 1/4" at all seams. Laps may be lightly rolled with a 4" to 6" wide roller to ensure lap is fused.
- Details and flashings may be installed using torch applied techniques. Do not adhere using cold adhesives or hot asphalt. Refer to manufacturer's published details for proper design and installation of detail work.
- Due to the unique finish of the Polyfresko G SBS FR, special care should be taken when heat fusing of end lap conditions. To maintain the uniform appearance of the specialized finish, it is recommended that a cardboard core or similar be placed to support the product to prevent membrane from folding over onto itself. When seaming endlaps or other locations where sealing to the specialized surface occurs, warm the top surface of the underlying sheet first, proceed and heat backside of upper sheet to a semi-solid condition and contact the two surfaces. While still warm, using a silicone hand roller or similar, lightly apply pressure to ensure membranes are properly fused.
- Use Polyglass' CURE Technology Detail and Repair Finish to treat seams on Polyfresko G SBS FR cap sheet. For more information, refer to CURE Technology Detail and Repair Finish Product Data Sheet.

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 5 years.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control.

For most current product data and warranty information, visit www.polyglass.us

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