

# POLYFRESKO® G

## PRODUCT DESCRIPTION

Polyfresko G is a premium APP modified bitumen roofing membrane specifically designed for torch applications. Featuring patent-pending CURE Technology®, Polyfresko G has a highly reflective granule surface which meets, or exceeds most standards for “cool roofing” and is listed with the Cool Roof Rating Council (CRRC) with an SRI of 90.

Polyfresko G is constructed with a high performance polyester reinforcement resulting in a roofing membrane with exceptional tensile strength and dimensional stability. CURE Technology features an innovative thin film technology attributing to Polyfresko’s exceptional granule retention, stain and discoloration resistance and UV stabilization for long term durability and performance. Polyfresko G with CURE Technology is solvent-free and is environmentally friendly.

Polyfresko G membrane 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.

## USES

- 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


- Suitable for most “cool roof” specifications; exceeds requirements of CA Title 24
- Premium membrane construction for exceptional durability and puncture resistance
- Scorch resistant surface
- Exceptional granule retention

## TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	NOMINAL VALUE
ASTM D5147	Thickness, typical, mm (mils)	4.5 (180)
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 (%)	23
ASTM D5147	Tear Strength @ 23+/-2C (73.4+/-3.6F), min, N (lbf)	311 (70)
ASTM D5147	Low Temperature Flexibility, max, C (F)	0 (32)
ASTM D5147	Granule Embedment, g	2

## AVAILABLE COLORS

Highly Reflective White

 <p><b>CRRC</b> COOL ROOF RATING COUNCIL</p>	Solar Reflectance	<u>Initial</u> 0.74	<u>Weathered</u> Pending
	Thermal Emittance	0.85	Pending
	Solar Reflectance Index (SRI)	90	Pending
	Rated Product ID Number	0616-0001a	
	Licensed Seller ID Number	0616	
<p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Council procedures.</p>			



## PRODUCT DATA

Coverage (Approx).....	100 sq ft
Weight (Approx) .....	110 lbs
Roll Size .....	32'10" x 39 3/8" (10m x 1m)
Rolls/Pallet.....	20

## APPLICABLE STANDARDS

- ASTM D 6222 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
- Miami Dade Code Compliance
- ICC ESR-2018
- CRRC Listed



## PRODUCT WARRANTY

Polyglass USA, 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 USA, Inc. Sales or Technical Representative for specifications and details.



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www.polyglass.com

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## APPLICATION INSTRUCTIONS

Polyfresko G is intended to be used as the primary weathering surface in new and re-roof applications. Polyfresko G is to be applied as the outermost layer of a multi-ply roof system over a compatible Polyglass base and/or inter-ply sheet. Polyfresko G 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 D 41 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 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:
  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 APP 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, 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.

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

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

## CORPORATE HEADQUARTERS

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**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**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 2 years.

Refer to material safety data sheet (MSDS) 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.com](http://www.polyglass.com)



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