

ELASTOSHIELD® TS G FR

PRODUCT DESCRIPTION

Elastoshield TS G FR membranes are premium elastomeric, fire-rated, SBS (Styrene-Butadiene-Styrene) modified asphalt roofing membranes specially designed for hot asphalt, cold adhesive or heat welding (with burn-off polyethylene) applications. Reinforced with a superior polyester membrane, the Elastoshield TS G FR exhibits exceptional tensile strength and puncture resistance. The granulated surface provides superior long term UV protection.

Manufactured for the commercial, industrial and residential markets, the proprietary SBS asphalts and product composition will offer long term resistance to moisture, dimensional stability and flexibility.

The top surface of the Elastoshield TS G FR membrane has a granular finish available in a variety of colors, free of granules along the selvage edge.

USES

- Premium SBS modified, granule surfaced for single or multi-ply systems
- New roofing, re-roofing and re-cover roofing and flashing details
- Hot asphalt, cold process or heat welded installation methods

FEATURES AND BENEFITS

- Exceptional long-term weathering performance
- Superior flexibility, puncture resistance and dimensional stability
- Ease of application over broad spectrum of substrates and conditions

TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	TYPICAL VALUE
ASTM D5147	Thickness, typical, mm (mils)	4.5 (180)
ASTM D5147	Peak Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147	Elongation @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	35
ASTM D5147	Tear Strength @ 23+/-2°C (73.4+/-3.6°F), min, N (lbf)	246 (55)
ASTM D5147	Low Temperature Flexibility, max, °C (°F)	-18 (0)
ASTM D5147	Granule Embedment, g	2

AVAILABLE COLORS

Top surface granule protection is available in a variety of colors such as:

Black	Buff	Chestnut	Grey Slate	Oak
White	Red Blend	Pine Green	Weatherwood	



SBS PRODUCTS

PRODUCT DATA

Coverage (Nominal)	100 sq ft
Weight (Approx)	108 lbs
Roll Size	32'10" X 39 ³ / ₈ " (10m x 1m)
Rolls/Pallet.....	20

APPLICABLE STANDARDS

- ASTM D 6164 Type I
- Miami Dade Code Compliance
- Factory Mutual Approved
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"
- TDI



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.



Adds value!

1-800-222-9782

www.polyglass.com

ELASTOSHIELD® TS G FR

APPLICATION INSTRUCTIONS

Elastoshield TS G FR is intended to be used as the primary weathering surface in new or re-roof applications. Elastoshield TS G FR is to be applied as the outermost layer of a multi-ply roof system applied over a compatible Polyglass base or inner ply sheet. Elastoshield TS G FR may be applied directly to non-combustible substrates.

- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks prior to application with PG 100 Asphalt Primer.
- When re-roofing, remove all prior roofing materials down to a clean debris-free substrate and properly close-off all abandoned roof penetrations.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and properly supported.
- Ensure the fire rating of the assembly over any combustible substrate.
- Ensure the installation of Elastoshield TS G FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Elastoshield TS G FR:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Install in a solid mopping of Type III or Type IV asphalt, PG 350 Mod Bit Adhesive, or torch.
 4. Position successive rolls providing a minimum 6" end lap and 3" side lap.
 5. Matching loose granules may be sprinkled into the bleed out.
- Details and flashing may be installed using hot asphalt or cold application techniques. Check project details for proper installation requirements.

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

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

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.com

General Line: (888) 410-1375
(954) 233-1330

Customer Service: (800) 222-9782

Technical Service: (866) 802-8017

Questions? 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 5 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



Adds value!

1-800-222-9782

www.polyglass.com