

ELASTOVENT®

VENTING BASE SHEET

PRODUCT DESCRIPTION

Elastovent is a Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet for multi-ply low-slope roofing assemblies where venting of the substrate is desired. Venting is accomplished by the granule underside surfacing facilitating airflow between the bottom of membrane and substrate. A heavy duty fiberglass reinforcement provides a strong and dimensionally stable substrate for other roofing membrane plies. The top surface of membrane is sand, allowing for cold adhesive, heat welding or hot mopping an approved Polyglass base or cap sheet.

TYPICAL APPLICATIONS

- On substrates containing moisture including lightweight concrete decks.
- Mechanically or spotted mopped attached base sheet in heat welded, hot mop and cold process multi-ply roofing assemblies.
- New roofing, re-roofing or re-cover roof systems.

FEATURES AND BENEFITS

- Venting of moisture to prevent blisters of roofing due to trapped moisture and/or gases.
- High quality SBS Modified Bitumen for increased durability in contact with moisture.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Breaking Strength, min. at 77°F [25°C]	D4897	44 lbf/in [7.7 kN/m] MD 45 lbf/in [7.7 kN/m] XMD	65 lbf/in [11.4 kN/m] MD 47 lbf/in [8.2 kN/m] XMD
Net Mass per unit area, min.,	D4897	55.0 lb/100 ft² [2,685 g/m²]	64.1 lb/100 ft² [3130 g/m²]
Mass of Desaturated Glass Mat, min	D4897	1.7 lb/100 ft² [83.0 g/m²]	1.8 lb/100 ft² [90.0 g/m²]
Mass of Asphalt, min g/m²	D4897	12 lb/100 ft² [586.0 g/m²]	24.6 lb/100 ft² [1200 g/m²]
Mass of Unstabilized Coating, Surfacing & Filler, min g/m²	D4897	22 lb/100 ft² [1075 g/m²]	28.1 lb/100 ft² [1374 g/m²]
Mass of Mineral Granules retained, No. 70 sieve, g/m²	D4897	8.0 lb/100 ft² [391 g/m²]	34.4 lb/100 ft² [1680 g/m²]
Mass of Mineral Matter passed, No. 70 sieve, based on asphalt, max, %	D4897	60	40
Ash, %	D4897	70 – 88	75
Moisture at point of manufacture, max, %	D4897	1.0	0.05

*The properties in this table are "as manufactured" unless otherwise noted



PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 79 lbs (36 kg)
 Thickness (Nominal) 130 mils (3.3 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 Rolls/Pallet 25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D4897, Type II
- UL Classified
- Florida Building Code



PRODUCT CODES

- EV25SG

POLYGLASS®



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APPLICATION INSTRUCTIONS

Elastovent is intended to be used as a base sheet in new or re-roof/recover applications. Elastovent may be applied directly to nailable substrates and requires the installation of a compatible interply and/or cap sheet to complete the roofing system.

- The product is applied granule side down.
- Apply over clean, dry, dust and debris-free substrates.
- 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 substrate.
- Do not apply over shingles.
- While installing Elastovent:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Mechanically attach granule side down, with appropriate type and quantity of fasteners to nailable substrates.
 4. Position successive rolls providing a minimum 6" end lap and 3" side lap.
- For Spot Mop Application:
 1. Spot mop using hot asphalt at a rate of 1.5 lbs. per 100 sq. ft. ensuring to embed the base sheet.
 2. Spot mop in 9" diameter circles, 24" o.c. in all directions.
 3. Remove all debris from sheet surface prior to application of remaining plies.

Check project details for proper installation requirements.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- 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 2 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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