

# ELASTOFLEX VP

## SBS (ELASTOMERIC) COMPOSITE BASE SHEET

### PRODUCT DESCRIPTION

Elastoflex VP is a superior SBS (Styrene-Butadiene-Styrene) modified bitumen roofing membrane reinforced with a high performance fiberglass and polyester composite reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance.

Elastoflex VP has a film top surface and a film bottom surface for heat-welding applications. Elastoflex VP membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex VP G HP composite cap sheet or other approved Polyglass cap sheets.

### TYPICAL APPLICATIONS

- Superior base sheet for multi-ply low-slope systems.
- New roofing, re-roofing and re-cover roofing and flashing details.
- Designed for heat-welded installation method.

### FEATURES AND BENEFITS

- High quality SBS compound for exceptional long-term weathering performance.
- High performance composite reinforcement provides exceptional puncture and tear resistance.
- Flexibility and dimensional stability.

### TECHNICAL DESCRIPTION\*

Physical Properties	CSA A123.23-15, Type C, Grade 3	Typical Performance
Strain Energy @-18°C – kN/m (lbf/in), Min	3.0 (17)	5.7 (32) - MD 7.6 (43) - XMD
Strain Energy @23°C – kN/m (lbf/in) before heat cond, Min	5.5 (31)	6.7 (38) - MD 6.5 (37) - XMD
Peak Load @-18°C – kN/m (lbf/in), Min	Report Value**	21.9 (124) - MD 19.8 (112) - XMD
Peak Load @23°C – kN/m (lbf/in), Min	Report Value**	18.0 (101) - MD 13.5 (76) - XMD
Elongation at peak load @-18°C – (%), Min	Report Value**	52 - MD 77 - XMD
Elongation at peak load @23°C – (%), Min	Report Value**	56 - MD 77 - XMD
Ultimate Elongation @23°C – (%) before heat cond, Min	Report Value**	60 - MD 77 - XMD
Dimensional Stability (%), Max	0.50	Pass
Low Temperature Flexibility* – °C (°F), Max	-18 (-4)	Pass
Compound Stability – °C (°F), Min	91 (195)	Pass
Resistance to Puncture – Pass/Fail	Pass	Pass

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

\*\*Report Value: Shall be reported but has no minimum value



### PRODUCT DATA\*\*

Gross Coverage ..... 10 m<sup>2</sup> (108 ft<sup>2</sup>)  
 Net Coverage (Approx) ..... 9.3 m<sup>2</sup> (100 ft<sup>2</sup>)  
 Weight (Approx) ..... 36 kg (80 lbs)  
 Thickness (Nominal) ..... 3.0 mm (118 mils)  
 Roll Size ..... 10 m x 1 m (32'10" x 39 3/8")  
 Rolls/Pallet ..... 25

\*\*All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- UL Classified
- FM Approved
- Tested according to CSA A123.21 and CSA A123.23 Standard
- CGSB-37.56-M
- ICC ESR-2018



### PRODUCT CODES

Western Canada

- EPV30PPCXW (Film/Film)

Eastern Canada

- EPV30PPC (Film/Film)



www.polyglass.ca

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### APPLICATION INSTRUCTIONS

Elastoflex VP is intended to be used as a base sheet or interply in new or re-roof applications. Elastoflex VP may be adhered directly to non-combustible substrates. Polyglass requires the installation of a compatible surfacing or cap sheet on top of Elastoflex VP to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with PG 100 Fast-Drying Asphalt Primer or applicable ASTM D-41 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 Elastoflex VP does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Elastoflex VP:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax then re-roll the membrane once relaxed.
  3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material and fully torching the burnoff film while creating a pool of asphalt. Do not expose the reinforcement through over-heating. Pay close attention to the sidelap.
  4. Position successive rolls providing a minimum 6" end lap and 3" side lap. Asphalt bleed out shall be  $\frac{1}{4}$ " to  $\frac{3}{8}$ " on all seams.
- Details and flashing may be installed using hot asphalt or cold application techniques. Check project details for proper installation requirements.
- For detailed drawings and recommended installation procedures of typical roof segments, such as drip edge and T-joint conditions, please refer to our website at, [www.polyglass.ca](http://www.polyglass.ca)

### 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.

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