

ELASTOFLEX VP ULTRA

ELASTOMERIC DUAL-MATCH SA SELVAGE BASE SHEET

PRODUCT DESCRIPTION

Elastoflex VP Ultra is a smooth surface Elastomeric (SBS) 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 Ultra is designed for use as a mechanically attached base sheet in multi-layer low-slope assemblies. Polyglass self-adhered Dual-Match Selvage Edges are manufactured on the opposing sides of the top and bottom surfaces of the membrane. These unique selvage edges are 100% covered with Polyglass' patent pending SEALLap ULTRA technology which applies a very aggressive self-adhering (SA) compound. This feature provides an immediate waterproofing seal at the laps, including sealing around properly installed plates and fasteners, without adding external heat from torches or hot-air guns. Contractors save labor, time, and equipment expenses. Align – roll – done!

Elastoflex VP Ultra has film surfaces on the top and bottom which enables successive system layers to be heat welded using an additional ply of Elastoflex S6, or a finishing ply of Elastoflex S6 G or other Polyglass torch cap sheets. The selvage edges are protected by siliconized release films that protect the self-adhering compound from contaminants and are easily removed during installation.

TYPICAL APPLICATIONS

- New roofing, re-roofing or re-cover roof systems and flashing details.
- In-seam attached base sheet as part of the Velociflex system.

FEATURES AND BENEFITS

- SA to SA matched selvage edges, no external heat needed.
- High quality SBS compound for exceptional long-term weathering performance.
- Polyester reinforcement provides superior 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**

Net Coverage (Approx) ... 13.9 m² (150 ft²)
 Gross Coverage 15 m² (161 ft²)
 Weight (Approx) 45 kg (99 lbs)
 Thickness (Nominal) 2.5 mm (100 mils)
 Roll Size 15 m x 1 m (49'3" x 39 3/8")
 Rolls/Pallet..... 23

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6164, Type I, Grade S
- UL Classified
- Tested According to CSA A123.21
- Tested According to CSA A123.23-15, Type C, Grade 3



PRODUCT CODES

- EP25ULTRA

POLYGLASS



www.polyglass.us

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APPLICATION INSTRUCTIONS

Elastoflex VP Ultra is intended to be used as a mechanically attached base sheet or interply in new or re-roof applications. Polyglass requires the installation of a compatible surfacing or cap sheet on top of Elastoflex VP Ultra to complete the roofing system.

- When re-roofing, remove all prior roofing materials down to a clean debris-free substrate and properly remove 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.
- Mechanical Application of Elastoflex VP Ultra:
 1. Unroll the material and allow to relax.
 2. Start at the low point of the roof. Lay in-place the first sheet of Elastoflex VP Ultra over an approved substrate.
 3. Remove the top selvage edge release film to expose the self-adhered selvage edge that will mate with the second sheet.
 4. Install approved steel barbed plates and appropriate roofing fasteners, centered in the selvage area, placed every 150 mm (6") or 300 mm (12") O.C. (Please check with jurisdictional building codes to confirm spacing and plate and fastener requirements).
 5. Position next roll by lining up the top selvage edge of sheet one to the bottom selvage edge of sheet two. Do not press the surfaces together yet.
 6. With next roll firmly held in place, remove the bottom selvage edge release film and press the Dual-Match SA Selvage Edges together. Polyglass recommends rolling the seam with a handheld steel or neoprene roller.
 7. Laps are pressure sensitive. Rolling of the self-adhering selvage edges with a 75 lb minimum weighted split-faced roller is required to ensure complete contact.
 8. Repeat the process for successive courses.
- The application of a flameless heat source may be needed to ensure a proper seal on the SA selvages if applying while below Polyglass' recommended ambient air and substrate temperature of 5°C (40°F) and rising.
- 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

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.ca

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