

PRODUCT INFORMATION

90 mil Aluminum Surfaced Self Adhered Modified Bitumen Flashing and Finishing Membrane

OVERVIEW

BITEC Elastoplan PolyKlad is a 90 mil aluminum surfaced modified membrane designed to be used in conjunction with our SBS roofing systems as flashing or, in particular systems, as a cap sheet. It is a specially formulated styrene-butadiene-styrene modified asphalt, laminated on one side with a highly reflective aluminum surfacing and bearing a superior adhesive surface on the other. There is a high quality release film to protect the adhesive prior to application and a 3" selvedge edge for adhesion of laps.

In addition to using Elastoplan PolyKlad in our premium roofing systems, it can also be used for a wide variety of repairs in both commercial and residential applications. The rolls are designed for low slope, which makes it ideal for any situation where you need dependable and long lasting waterproofing.

UNIQUE FEATURES

- Fully self adhered, no open flame
- Installs with minimal tools required, typically only a utility knife and a roller
- Ease of installation saves labor cost
- Outstanding puncture and abrasion resistance
- Large roll size means less waste for a variety of flashings
- Can be exposed to sunlight for the life of the roof
- Does not require any additional surfacing or coating
- When used properly, it can be included in your total system warranty

APPLICATION

When installing as part of our SBS roofing systems, please refer to our Product & Applications Guide for full details and instructions.

For general applications, first ensure that the surfaces you will be adhering to are clean, dry, and free from grease or other solvents. A minimum 1/2" in 12" slope is required and the product is not to be used in areas with ponding water. The ambient temperature should be at least 55°F (13°C) and rising.

Verify that all sealants or caulks that Elastoplan PolyKlad will be in contact with are both compatible with this material and they are fully cured prior to application.

Use of primers will depend on the substrate. Refer to the Products and Applications Guide for system specific information for our products. Wood, OSB, concrete, masonry, EPDM roofing, or rusted metal should be primed with a BITEC approved primer to promote long term adhesion. For other materials not listed in our guides, please contact the BITEC technical team for information on approved primers and substrates. Before adhering Elastoplan PolyKlad membrane, ensure that the primer has been properly and uniformly applied.

To begin installing Elastoplan PolyKlad, simply cut to size for the area being flashed, partially remove the release film, adhere it, and apply pressure to the exposed section as you remove the remainder of the film. As the material is adhered to the substrate, apply firm pressure uniformly over the surface to activate the pressure sensitive adhesives. Use of a hand roller or standing roller is required. Side laps must be 3" and head laps (for larger installations) should be 6" and rolled uniformly.

PACKAGING

Elastoplan PolyKlad rolls are 100 ft² per roll and 3' in width. Palletized units contain 20 rolls of Elastoplan PolyKlad waterproofing membrane with each unit packaged in its own carton for stability. BITEC recommends that units of material be single stacked.

ELASTOPLAN® POLYKLAD™



PRODUCT INFORMATION

Technical Schedule	Elastoplan PolyKlad
APPROVALS	ASTM D1970
ROLL DIMENSION	33.5' x 36" (.9 m x 10.2 m)
ROLL WEIGHT, APPROX	33 lbs
TOTAL SURFACE AREA, APPROX	100.5 ft ² (9.2 m ²)
INSTALLATION TEMPERATURE RANGE	>55° F (13° C)
SERVICE TEMPERATURE RANGE	-20° F - 170°F (-28.9° C - 76.7° C)
THICKNESS	90 mils (2.3 mm)
COLD FLEXIBILITY (ASTM D1970)	Passed -20° F (-28.9° C)
TENSILE STRENGTH (ASTM D2523)	MD = 32 lbs/in (5.6 kN/m) XMD = 33 lbf/in (5.8 kN/m)
ELONGATION (ASTM D2523)	MD = 788% XMD = 779%
SURFACE (TOP)	Aluminum foil surfacing
SURFACE (BOTTOM)	Release Film
VAPOR PERMEANCE (ASTM E96)	<0.01
NAIL SEALABILITY (ASTM D1970)	Pass

All information is given in good faith, but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of the membrane.

Approvals:

STANDARD SPECIFICATION:
ASTM D1970

Member of:



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