

POLYVAP™ SA G

SELF-ADHERED VAPOR BARRIER MEMBRANE

PRODUCT DESCRIPTION

PolyVap SA G is a self-adhered vapor retarder for use in commercial low-slope roofing applications. Utilizing ADESO® dual-compound self-adhered technology, PolyVap SA G features a polymer modified bitumen upper compound and a proprietary self-adhesive SBS (elastomeric) compound on the bottom. A split release film that protects the self-adhesive compound allows for easy application.

PolyVap SA G is reinforced with a fiberglass mat, and surfaced with aggregate to enhance skid resistance and allow exposure up to 90 days. The rubberized asphalt seals around correctly installed nails on the weathering surface.

TYPICAL APPLICATIONS

- For use in low-slope applications as a vapor retarder in Polyglass assemblies.
- For applications on steel, concrete, plywood, gypsum or cement boards, approved insulation, and asphaltic panels.

FEATURES AND BENEFITS

- Surface engineered for insulation/coverboard adhesion with Low Rise Foam (LRF).
- Aggressive self-adhesive compound for wind uplift performance.
- Asphaltic compound provides excellent weathering characteristics and fastener sealability.
- Quick dry-in of building and 90 day exposure time.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Moisture Vapor Permeability, max, perms	E96	0.1	0.1
Maximum Load, min	D5147	4.4 kN/m (35 lbf/in)	9.97 kN/m
Tear Resistance, min	D5147	89 N (20 lbf)	280 N
Flexibility at -29°C [-20°F]	D5147	Pass	Pass
Sealability around Nail	D5147	Pass	Pass
Thermal Stability, max	D1970	3 mm (0.1 in)	Pass
Adhesion to Plywood [min at 40°F]	D1970	2.0 lbf/ft	4.0 lbf/in
Adhesion to Plywood [min at 75°F]	D1970	12.0 lbf/ft	25.0 lbf/in
Waterproof integrity of Lap Seam	D1970	Pass	Pass

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



PRODUCT DATA**

Net Coverage (Approx) ... 18.5 m² (200 ft²)
 Gross Coverage 20 m² (215 ft²)
 Weight (Approx) 33 kg (73 lbs)
 Thickness (Nominal) 1.5 mm (60 mils)
 Roll Size 20 m x 1 m (65'8" x 39 3/8")
 Rolls/Pallet 30

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970; ASTM D5147; ASTM E96
- UL Classified
- CSA A123.23-15 Type A, Grade 3
- CSA A123.21



PRODUCT CODES

- PVSAG



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APPLICATION INSTRUCTIONS

Polyglass PolyVap SA G is intended for use as a vapor retarder on low-slope roofing applications when applied to acceptable insulations and/or coverboards for commercial structures. PolyVap SA G may also be applied directly to approved steel, concrete, and wood deck substrates.

For additional substrate requirements and information refer to a Polyglass Technical Representative.

Surface Preparation

1. Apply PolyVap SA G membrane only in dry weather and when air and surface temperatures are 40°F (5°C) and rising. Roofing installation shall not be conducted when any form of water, such as rain, dew, ice, frost, snow, are present.
2. All roof deck or substrate areas shall have positive drainage, be properly supported, structurally sound to support the live and dead load requirements of the roofing system, and sufficiently rigid to support construction traffic. A minimum slope requirement of 1/4" per foot of rise is recommended.
3. Apply over clean, dry, debris and contaminant-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with PG 100 primer or Polytack high-tack contact adhesive. Any primed substrate should be fully dry prior to installation. Refer to manufacturers recommendations.
4. All substrates shall be designed with proper expansion devices.
5. Wood decks shall have all joints cross blocked and/or properly supported.
6. Installation of PolyVap SA G should not adversely affect the ventilation of existing construction. Installation of PolyVap G shall work in conjunction with the ventilation design parameters/requirements of the roofing system. Polyglass is not responsible for ventilation design of roofing systems.

Application

1. Start at the low point of the roof.
 - Rolls can be installed either parallel or perpendicular to the flutes of the steel deck.
 - When installing the roll parallel to the flutes of the steel deck, make sure membrane overlaps are supported along their entire length.
2. Unroll the material and allow to relax.
3. Start by removing the first 18–24" of release film.
4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
6. Position successive rolls providing a minimum 6" (150 mm) end lap and 3" (75 mm) side lap. End laps must be supported regardless of directional installation. Place a thin sheet of metal under the end laps when the vapor barrier is installed directly to a steel deck. Ensure a watertight seal with a hot air welder or applying PG 500 Roof Cement or PolyPlus 50 Premium Modified Wet/Dry Cement.

7. Where applicable, please roll membrane to ensure pressure for full bond to substrate. Polyglass recommends the use of #75 roller. If over fluted deck, use caution to maintain pressure to high flutes.
- Details and flashing may be installed with a hot air welder or with PG 500 Roof Cement or PolyPlus 50 Premium Modified Wet/Dry Cement. Refer to manufacturer's published details for proper design and installation of detail work.

CORPORATE HEADQUARTERS

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

General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 794-9659

Questions? technical@polyglass.com