

POLYBOARD E

ASPHALT COVERBOARD

PRODUCT DESCRIPTION

Polyboard E is a multi-ply, semi-rigid asphaltic panel composed of a mineral-fortified asphaltic core, formed between two asphalt-saturated fiberglass liners. Polyboard E is designed to be used as a base material in low-slope roofing. It may be installed over wood, concrete, rigid insulation or as a recover sheet over an existing roof surface which is to be re-roofed.

TYPICAL APPLICATIONS

- Insulation cover board
- Retrofit cover board
- Wood deck cover board

FEATURES AND BENEFITS

- Dimensionally stable, water-resistant, tough, durable panels.
- Acts as both a base sheet and leveling board over built-up roofs.
- Modified bitumen roofing systems can be heat-weld directly to the board surface. Refer to CERTA requirements for safe and proper torch application.
- Limited number of sheets per pallet to accommodate easier roof loading and distribution.
- Strengthens and provides additional puncture-resistance to roof membranes.

PHYSICAL PERFORMANCE

| Physical Properties | ASTM Method | ASTM Value | 1/8" Board | 3/16" Board | 1/4" Board |
|--|-------------|--------------------------------------|------------|-------------|------------|
| Thickness (inches) | | | 0.125 | 0.187 | 0.25 |
| Weight (lbs/sf) | | | 1.12 | 1.54 | 1.82 |
| Water Absorption (% by weight) | D6506/D994 | 10% max. 24 hr. | < 2.0 | < 1.0 | < 1.0 |
| Compressive Strength (psi @ 50% deformation) | D545 | | 12,331 | 9,853 | 3,836 |
| Puncture Resistance (lbf) | D6506/E154 | 70 lbf min. 1/8" 82 lbf min. 1/4" | 75 | 103 | 111 |
| Dimensional Stability (%) | D2126 | 1% max. | 0.25 | 0.25 | 0.25 |

| Physical Properties | Test Method | CSA A123.25-17 | Tested Value |
|--|---------------------------------|-------------------------------------|--------------|
| Thickness | ASTM C209 | Max ± 8% | Pass |
| Length and width | ASTM C209 | Max ± 6mm (0.24in) | Pass |
| Squareness | ASTM C550 | Max 1 mm/0.5 m | Pass |
| Straightness (trueness in the x/y direction) | ASTM C550 | Max 2 mm (0.08 in) corner to corner | Pass |
| Plastic flow | SEE Clause 5.4.6 | Pass if ≤ 2.5 mm (0.098) in | Pass |
| Asphalt content by total weight | ASTM D545 | Min 20% | Pass |
| Dimensional stability, change in length or width | ASTM D2126 | Max 1% | Pass |
| Tensile strength | ASTM C209 and ASTM D5147-D5147M | Min 350 N | Pass |

*Sizes 1/8", 3/16" & 1/4"

PRODUCT DATA

Thickness (Nominal)

- 1/8" (3 mm)
- 3/16" (4.8 mm) (Canada only)
- 1/4" (6 mm)

Weight per sheet

- 1/8" 23 lb (10.4 kg)
- 3/16" 34.5 lb (15.6 kg)
- 1/4" 46 lb (20.9 kg)

Asphalt % by weight

- 1/8" 72%
- 3/16" 72%
- 1/4" 72%

Sheet Size

- 1/8" x 4' x 5' (3 mm x 1.2 m x 1.5 m)
- 3/16" x 4' x 5' (4.8 mm x 1.2 m x 1.5 m)
- 1/4" x 4' x 5' (6 mm x 1.2 m x 1.5 m)

Quantity per pallet

- 1/8" 150 pieces
- 3/16" 100 pieces
- 1/4" 75 pieces

Weight per pallet (Including pallet)

- 1/8" 3,525 lb (1599 kg)
- 3/16" 3,525 lb (1599 kg)
- 1/4" 3,525 lb (1599 kg)



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APPLICATION INSTRUCTIONS

The surfaces to be covered with Polyboard E must be dry and debris-free. Ensure underlying substrate and decking is free from trapped moisture. All blisters, ridges, and other surface irregularities must be repaired so that the surface is smooth. Remove loose gravel from existing roofs. Apply only as much Polyboard E can be covered by roof membrane the same day.

Fit panels together and secure via hot asphalt, cold adhesive, or mechanical attachment. Fastening density and patterns may vary based upon specific membrane assemblies. Contact Polyglass Technical Service Department for fastening requirements.

Roofing membranes may be heat-welded, hot-mopped or self-adhered directly to Polyboard E.

PRECAUTIONS

Moisture conditions during installation may affect the performance of the product and the roof system. Avoid application during rain, heavy fog, dew, and any other conditions that may deposit moisture on surfaces. Cover Polyboard E promptly after installation. Do not leave exposed. Do not place on wet membranes or adhesives until solvents have completely evaporated. Use only rubber-tired construction equipment. Boards should remain stacked on the pallets on which they are shipped and stored on a smooth, flat surface to prevent deformation before being applied. **DO NOT STACK PALLETS IN STORAGE.** Polyboard E may be double stacked on a short-term basis only for transportation. Not to be used in applications where contact with a coal-tar based waterproofing system is possible.

STORAGE AND HANDLING FOR POLYBOARD E

- Do not leave exposed overnight
- Do not stack pallets in storage or long-term project staging
- Not to be used in where contact with a coal-tar
- Please keep free from all dust and debris
- Protection must be used when using strapping to secure to pallets
- Keep white shroud until staging
- Do not store outside in direct sunlight or at a high temperature

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

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

www.polyglass.us

General Line: (888) 410-1375

(954) 233-1330

Customer Service: (800) 222-9782

Technical Service: (866) 794-9659

Questions? technical@polyglass.com

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Limited Warranty: Polyglass, Inc. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

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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