

PERMA-BOARD

Overlay Board

Description

PERMA-BOARD is a semi-rigid waterproof sheet with a rubber-filled asphalt core sandwiched within two layers of fibreglass reinforcement. Available with a smooth poly film surface finish or a sanded finish. **PERMA-BOARD** is unaffected by moisture and will not rot, mould or mildew. It is produced in sheets 1 meter wide x 2 meters long (40" x 80").

Uses

PERMA-BOARD is designed to be used as a base material in flat or low slope roofing construction. 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. Elastomeric roofing membranes or built-up roofing may be heat welded or hot mopped directly to **PERMA-BOARD** creating a thick waterproofing layer. The asphalt board becomes an integral part of the roof membrane making it stronger and more puncture resistant than it would otherwise be. **PERMA-BOARD** may be used in place of fibreboard in low-slope roofing systems.

Physical Properties

Dimensions:	1 m x 2 m (40" x 80" nominal size)
Thickness:	4.5mm (3/16") nominal thickness, also available in 3.0mm (1/8") nominal thickness
Weight:	4.5mm: 10.46 Kg (23 lbs) per sheet nominal 3.0mm: 6.8 Kg (15 lbs) per sheet nominal
Reinforcement:	Two plies fibreglass
Surface Finish:	Poly film, Release film, or Sanded surface

Performance Properties

Tensile Strength @ 23C	590 N/25 mm, (135 lb/in)
Puncture Strength @ 23C	450 N / 1 cm.sq.
Softening point temperature	105 deg C (221 deg F)
Maximum water absorption	0.5%

Application And Uses

Placement

This versatile board may be adhered to a substrate with large headed roofing nails, screws and plates, hot asphalt, or cold adhesive. Place sheets so that end joints are staggered in adjacent rows. Edges may have a slight gap or touch lightly (do not butt tightly).

1. **Fasteners:** Local practices should dictate the number of fasteners to use. As a guide we recommend that each sheet have no less than 9 fasteners, with minimum 25 mm (1") head diameter. Remove silicon coated release film prior to fastening release surface board.

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PERMA-BOARD OVERLAY BOARD Cont'd

2. **Hot Asphalt:** Set the board into a sprinkle-mopping of hot asphalt. Use board with sanded side down for this method.
3. **Cold Adhesive:** Set the board into a spot applied asphalt-based adhesive, preferably one with SBS elastomeric content. Local practices should dictate the quantity of adhesive to use. Check for compatibility of adhesive by adhering a sample of board to the substrate and allowing to dry completely. (Adhere to sanded side only, not to film side.)

CAUTION

Exercise appropriate caution if working with an open flame torch to avoid causing fires. Always keep one ABC fire extinguisher and one CO₂ fire extinguisher on hand when torching. PERMA - BOARD will not ignite easily when torched, however it can help to support combustion if a fire should occur.

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