

PERMA-BOARD

Protection Board

Description

PERMA-BOARD is a superior quality semi-rigid waterproof sheet with a rubberized asphalt core sandwiched between two protective layers. The rubberized asphalt core provides superior puncture resistance and superior durability under adverse conditions. This product is impervious to water penetration and will stand-up to ponding water with no adverse effects.

PERMA-BOARD may be applied in a loose-laid fashion or it may be adhered in place using an approved adhesive. Available in two basic styles:

Perma-Board GG3 FF - (Glass ply / Glass ply, surface: film/film)

Perma-Board GG3 FS - (Glass ply / Glass ply, surface: film/sand)

Uses

PERMA-BOARD is designed to be used as a protection barrier over membrane waterproofing or dampproofing to protect against damage from backfill, pavement overlays, concrete overlays or landscaping. May be applied to protect foundation walls, concrete slabs, bridge decks, or other structural units.

Physical Properties

Sheet size:	1 m x 2m (39.5 in x 80 in approx)
Thickness available:	3/32" (2.0 mm), 1/8" (3.0 mm), 3/16" (4.5 mm)
Weight:	2.0 mm: 5 kg (11 lbs.) nominal per sheet 3.0 mm: 6.8 kg (15 lbs.) nominal per sheet 4.5 mm: 10.5 kg (23.2 lbs.) nominal per sheet
Water absorption:	Maximum 0.25%
Rubber content:	Up to 15%
Asphalt content (ASTM D-147):	Minimum 60% by weight
Fibreglass reinforcement:	95 g/sq.m. non-woven mat
Puncture Strength (ASTM D4830):	3.0 mm – 246 N (55.5 lb _f), 4.5 mm – 302N (68 lb _f)
Compressive tolerance:	2700 Kpa (405 psi) @ 23 °C (before permanent set)

Application Method

Follow the advice of the waterproofing specifier to determine a method of application to suit the system being protected. If no installation method is specified the following are suggested methods:

Loose Placement: Lay the protection board over the surface and butt all joints tightly. Preferably stagger end joints. Where any gaps greater than 3 mm (1/8 in) occur between sheets, cut narrow strips of board and tape in place to cover gaps. Avoid dislodging the protection board when backfilling or installing other covering.

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Semi Adhered Placement: Where it is deemed necessary to restrict movement of the board after placement, it may be semi-adhered with an approved adhesive. Check with membrane manufacturer to be sure this method of adhesion is acceptable.

NOTE: If a permanent bond is required do not apply adhesive to the thin poly-film surface; apply adhesive to sanded side.

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