

PERMA-BOARD P180 Combo, Base and Board

Base Sheet and Overlay Board

Description

PERMA-BOARD P180 Combo is an SBS modified 180 gsm Polyester base sheet bonded to Perma-board asphalt overlay board, with 4" lap extensions on one side and on one end.

Uses

PERMA-BOARD P180 Combo is designed to provide a FLAME BARRIER over flame sensitive substrates for safer torch-welding of SBS cap sheets.. A polyester reinforced SBS base sheet is factory-bonded to HAL's Perma-board for a one-step quick and easy application of both products to the roofing substrate. This product may be installed over wood, concrete, rigid insulation or as a recover sheet over an existing roof surface which is to be re-roofed. It is produced in sheets 36" wide by 60" long. It has a self-adhering 4" side lap and a self-adhering 4" end lap.

Physical Properties

Dimensions of Sheet	36" by 60" – 15sq. ft. coverage
Thickness of sheet:	7mm (1/4") nominal thickness
Weight:	26lbs (10kg.) per sheet nominal
Reinforcement:	Two plies fibreglass and one ply polyester

Performance Properties

Vapour Permeance – ASTM E96 Proc. A	8.0 ng/Pa.s.m ² Type 1, Superior Vapour Barrier
Compressive Strength Board – ASTM D1621	2,100 N
Dynamic Puncture – ASTM D5635	7.5 J
Flexural Strength – ASTM C473	830 N
Tensile Strength – ASTM D5147	740 N

Application of Combo Board and Base:

Placement

This versatile product may be adhered to a substrate with large headed roofing nails, screws and plates, hot asphalt adhesive or cold asphalt adhesive.

Install PERMA-BOARD P180 COMBO in straight runs with the end laps of adjacent rows staggered. Board edges may have a slight gap or touch lightly. The side flap and end flap of each sheet should overlap the adjacent Combo sheet selvage edges. For bonding the side laps simply remove the release film strips and press the tacky asphalt surfaces together. For the end laps we recommend pre-melting the poly-film on the 4 inch lap area of the lower sheet prior to installation. All lap joints should be rolled with a heavy roller. Use a torch and trowel to seal each T-joint where a side lap falls over an end lap to assure water-tightness.

An SBS cap-sheet can be torch-adhered to this surface with minimum possibility of flame penetration to the roofing substrate, if all of the base sheet laps have been sealed correctly.

PERMA-BOARD P180 Combo *Cont'd*

FASTENING Options:

1.Fasteners: Local practices should dictate the number of fasteners to use per roofing square. As a guide we suggest that each COMBO sheet have 7 fasteners, with minimum 25 mm (1") head. Place the fasteners beneath the overlapped edges so that all fastener heads are covered with a base sheet. Ultimate responsibility for fastener type and quantity rests with the Design Authority or installer.

2.Hot Asphalt: Adhere PERMA-BOARD P180 COMBO into hot asphalt applied either fully or partially to a suitable substrate.

3.Cold Adhesive: Set the board into a spot applied "asphalt-based" adhesive, preferably one with SBS elastomeric content. Adhesive manufacturer should dictate the quantity of adhesive to use.

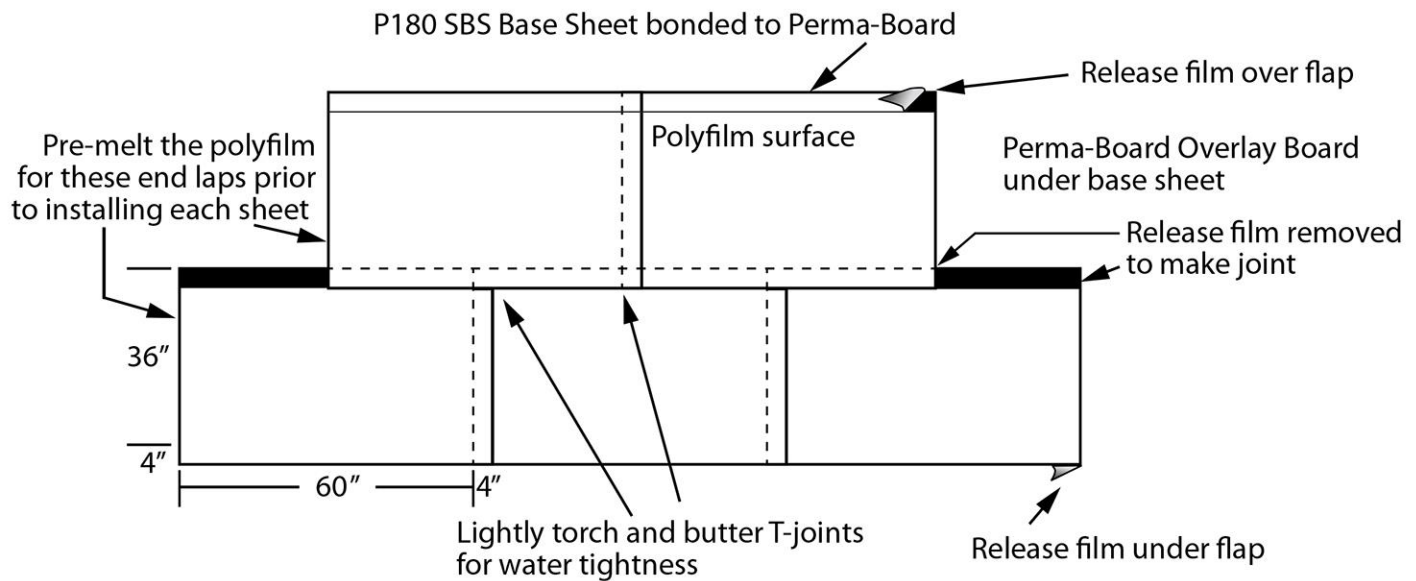
4.Liability: User accepts all liability of damage or blow-off from high winds or other causes, since field conditions are beyond PERMA-BOARD P180 COMBO manufacturers control.

Cap Sheet Placement and Alignment:

During torch-bonding of cap sheets some over-torching of the adjacent poly-film surface usually occurs, exposing fresh tacky asphalt coating. This may make it difficult to lay and pre-align the adjacent cap sheet. Fine sand sprinkled onto sticky areas helps to facilitate cap sheet alignment.

DIAGRAM:

PERMA-BOARD P180 Combo board and base installation layout



FIRE CAUTION:

Exercise caution and follow all Roofing Industry Rules when working with an open flame torch. Keep at least one ABC fire extinguisher and one CO₂ fire extinguisher on hand during torch application of roofing. Always post a fire watch for an extended time period after torch application.

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