

Infrastructure – Water Proofing Stage

# POLYPROPYLENE PROTECTION BOARD



## POLY BOARD



### WATERPROOFING MEMBRANE PROTECTION

Poly Board is a semi-flexible polypropylene based board for waterproofing membrane protection.



### DESCRIPTION

**POLY BOARD** is extremely strong in puncture and injury resistance. It is engineered to resist puncture at over 1100, 1300, 1500, 2000, 24000 and 2600 Newton as per ASTM E-154.

**POLY BOARD** differs from any other materials used to protect the waterproofing membrane as it enjoys flexibility which enables its use for tacking corners, protrusions, rounded surfaces and also uneven surfaces.

**POLY BOARD** is not affected by mineral oils, solvents, acids, bases, and salts. These elements are usually found in contaminated water tables and soil compositions. This product does not absorb water, which adds to the impermeability of the waterproofing membrane.

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## APPLICATION

Poly Board is applied on hot asphalt liquid membranes, torched applied asphalt membranes and on rubber based waterproofing membranes.

1. Hot applied liquid membrane: Poly Board is simply laid down on top of hot asphalt before it cools down.
2. Torched applied asphalt membrane: before application of Poly Board, the exposed side of the membrane shall be lightly torched in separate spots. When the top exposed layer of the membrane changes into a sticky shiny layer, Poly Board protection boards are applied with gentle pressure.
3. Rubber waterproofing membrane: a solvent based glue (Patex or similar) is applied as an adhering agent between the waterproofing membrane and the protection board.
4. Poly Board is also used as a protection boards for tiles of various finishes during construction phases.

## TECHNICAL SPECIFICATIONS

Technical Data	NEWTON					
	1100	1300	1500	2000	2400	2600
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Size	1 m x 2 m	1 m x 2 m	1 m x 2 m	1 m x 2 m	1 m x 2 m	1 m x 2 m
Thickness	2	3	4	6	8	10
Approximate Weight	330 gr./sqm	450 gr./sqm	600 gr./sqm	900 gr./sqm	900 gr./sqm	1100 gr./sqm
Tear Resistance (ASTM 1004)	10	13	15	18	20	23
Water Absorption (ASTM 1004)	nil	nil	nil	nil	nil	nil
Resistance to 60% NaOH (ASTM D 543)	not Affected	not Affected	not Affected	not Affected	not Affected	not Affected
Resistance to 30% NaOH (ASTM D 543)	not Affected	not Affected	not Affected	not Affected	not Affected	not Affected
Resistance to 30% N <sub>2</sub> SO <sub>4</sub> (ASTM D 543)	not Affected	not Affected	not Affected	not Affected	not Affected	not Affected
Resistance to 10% NCL (ASTM D 543)	not Affected	not Affected	not Affected	not Affected	not Affected	not Affected
Resistance to Mineral Oils (ASTM)	not Affected	not Affected	not Affected	not Affected	not Affected	not Affected
Linear Dimensioning Change due to Accelerated Aging (ASTM D 1204)	nil	nil	nil	nil	nil	nil
Resistance to Puncture (ASTM E 154-88 section 10)	1100 Newton	1300 Newton	1500 Newton	2000 Newton	2400 Newton	2600 Newton

# LOCATION

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