

# Proto-board

Bitumen protection board



## DESCRIPTION

Proto-board is multi-layer bitumen impregnated thermally bonded board, which is bonded using polymer modified bitumen and sandwiched between two layers of saturated fibreglass liners and faced with polyethylene film for both sheet sides.

## APPLICATIONS

Proto-board is designed for use as Permanent under ground protection to most waterproofing and damp proofing membranes.

## ADVANTAGES

- » High puncture resistance protects the waterproofing membranes from impact and sharp objects.
- » Rot proof, not biodegradable.
- » Tough & durable.
- » Dual side protection.
- » Flexible & resistant to decay.
- » Easy to cut and handle.
- » Withstand foot traffic.
- » Compatible with most waterproofing systems, especially the bituminous systems.
- » Salt chemical resistant.

## STANDARDS

Tested according to ASTM D6506 (check the technical properties table).

## METHOD OF USE

The protection boards should be laid continuously over the waterproofing membrane and can be cut easily with a suitable knife to fit all areas. If necessary, cut the sheets to fit all intersections and protrusions.

Proto-board can be best fixed by cold or hot applied adhesives of bitumen depending upon the type of membrane used.

For horizontal applications, the protection boards should be installed just prior the installation of the wearing surface. For vertical applied boards backfilling should be done within 48 hours after installing the protection board.

## TECHNICAL PROPERTIES:

Bitumen content: ASTM D4	≥ 50%
Puncture strength: ASTM E154	≥ 250 N (for 6 mm thickness) ≥ 180 N (for 4 mm thickness) ≥ 130 N (for 3 mm thickness)
Water absorption: ASTM D994	≤ 2.0%

*\*The above properties are subject to 10% tolerance.*

## PACKAGING

Standard thickness:  
3 mm, 4 mm, and 6 mm.

Sheets sizes:  
1 m x 2 m .

## CAUTIONS

## HEALTH AND SAFETY

There is no health hazards associated with Proto-board in normal use.



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