



BM Board

Fiberglass Impregnated Polymer Modified Bituminous Protection Board

DESCRIPTION

BM Board are **Polymer** modified bituminous waterproofing membrane, which are reinforced with **Glass fiber** manufactured from a mixture of bitumen and selected polymers. They are guarded with two sides thermo fusible polyethylene film on both sides, enhanced with supreme waterproofing qualities, coupled with excellent properties such as dimensional stability and puncture resistance. They have good UV resistance and are quite durable.

SPECIAL CHARACTERISTICS

Positive barrier to water and dampness.
Good dimensional stability under tension.
Good flexibility. Can accommodate structural movements.
High Puncture and fatigue resistance.
Resistance to water borne chemicals.

USES

BM Board are commonly used waterproofing membrane on the following structures.

- Inverted Roofs and parapets
- Bridges & tunnels
- Concrete foundations, Basements and isolated footings
- Sunken slabs
- Terraces, balconies and patios.

BM Board membranes used in tropical regions and below ground concrete structure

- Concrete foundations and footings
- Basement and isolated footings
- Protection to pile head profiling
- Water retaining structures (externally).

APPLICATION

The targeted surface should be clean, dry, firm and free of any surface imperfection.

BM Board can be fixed over the waterproofing membrane by applying bituminous rubber modified adhesives or adhesive tape. Alternatively they can also be fixed by torching with propane/butane gas (over the torch-on membrane for protection only). Boards are placed closely as butt joint and not overlapped. The

butt joint should be protected with approx.50mm width HDPE sandwiched one sided self-adhesive tape so as to keep the backfill material from making the avenues which may subsequently damage the waterproofing membrane.



TECHNICAL DATA

PROPERTIES	TYPICAL VALUE	TEST STANDARD
Coating asphalt	APP polymer modified asphalt	-
Softening point °C	>125	ASTM D-36
Penetration, @25°C (dmm)	20±5	ASTM D-5
Heat resistance @ 90°C	No flow	ASTM D-5147
Tensile strength (L/T) (N/5cm)	300/200	ASTM D-5147
Tear resistance (L/T) (N)	50/60	ASTM D-5147 /D 4073
Lap Joint strength (N/5cm)	Same as membrane sheet	EN 12317
Water absorption %wt. @ 23°C 24hrs	< 1	ASTM D-5147
Resistance to Static	Static- L ₄	UEAtc 5.1.9
Dimensional stability (%)	< 1	ASTM D6222

All values given are subject to 8-10% tolerance

COVERAGE

BM Board Flat Areas: 1.01m²/m² (Approx.) per layer with butt joint and without Overlaps.

Average wastages: 0.5%.

STORAGE AND SHELF LIFE

The sheet must strictly be stored horizontally in a covered flat area. They should not be exposed to direct sunlight, UV and other sources of heat. Make ensure not to stack one pallet over another pallet. The product is best used within 12 months from the date of production. Excessive exposure to sunlight and UV will subsequently result in the deterioration of the product quality.

HEALTH AND SAFETY

When torched to melt, **BM Board** membranes form a sticky compound and can stick to human skin. The same shall be cooled by applying plenty of water if it is in hot condition. This can later be removed by using soft cloth dipped in a suitable cleaner. If the burn is deep, an immediate medical assistance is suggested.

SUPPLY

Nominal width & length: 2m x 1m ;

Nominal thickness: 3.2m, 4mm, 6mm