Bituboard

Fibre impregnated asphaltic protection board

Multi layer, asphaltic protection board.

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 14/5138

CHARACTERISTICS

- Non bio-degradable
- Weather, warp and rot proof
- Tough and durable
- Excellent resistance to chemicals
- Improved puncture resistance
- Compatible with most waterproofing systems

puncture resistance

Chemical resistant

DESCRIPTION

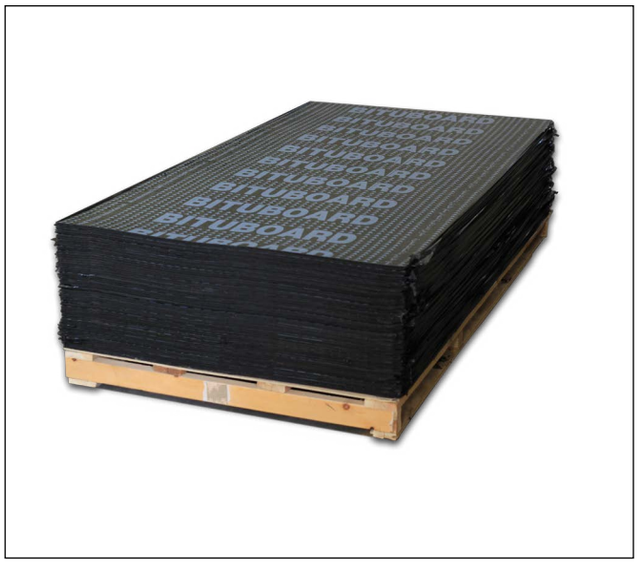
Bituboard is a multi layer, asphaltic protection board. It is manufactured by thermally bonding polymer modified bitumen with selected additives which is then sandwiched between a layer of saturated fibre-glass on one side and anti-stick polyethylene liner on the other.

FIELDS OF APPLICATION

Bituboard has been designed for use as a permanent protection to most waterproofing and damp proofing systems, especially the bitumen based sheet membrane and coating systems indicated in BS 8102. Bituboard will absorb the impact of aggregate shock, normal site foot traffic and protect the waterproofing membrane from penetration by the edges of reinforced steel and aggregate during the backfill process and late settlement.

APPLICATION INSTRUCTIONS

The application of Bituboard should be carried out when the ambient temperature is between 5°C and 55°C and should avoided in case of extreme weather conditions such as sand storms, rain, etc. Bituboard can be fixed on top of the waterproofing membrane by using a double sided adhesive tape (Watertite TS 15)*, Bitubond N or even by torching (for fixing over torch applied membranes). Once the protection board is fixed in place, supports/props have to be used to keep the boards in place till the adhesive is strong enough to hold the board. Subsequent boards shall be laid continuously by butt fitting the edges. For irregular profiles, the board shall be cut to fit all intersections and protrusions.The butt joints can be sealed with 50mm wide HDPE bitumen adhesive strip to prevent any backfill material entering and causing damage to the underlying waterproofing membrane.



TDS_Bituboard_GCC_0819

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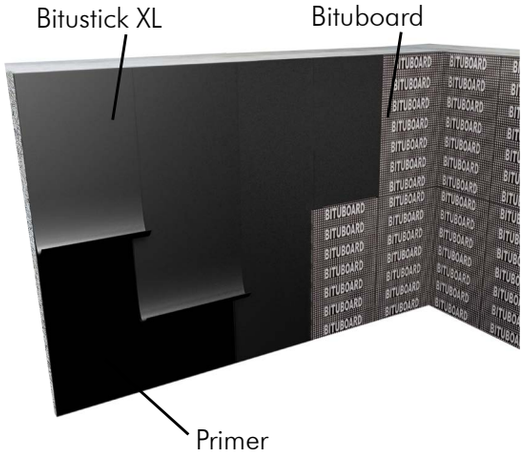

For illustration Purpose only

Quality for Professionals

HANDLING

Bituboard is shrink-wrapped and loaded on pallets for easy handling. The pallets should be loaded or offloaded with the help of a crane or forklift to prevent damage to the protection boards. If the boards are unloaded individually, it is to be ensured that they are stacked back on a pallet or on a flat surface.

STORAGE & SHELF LIFE

Bituboard should be covered and stored in a dry and shaded area away from sunlight, UV and sources of heat. Do not stack one pallet on top of the other. It is recommended not to open the shrink wrap till the time of application. The boards, loose or on pallets, must be stored on flat surface. The shelf life is 12 months when stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

Bituboard might leave bitumen stains on the skin and hands during application. The stains can be removed by using a suitable cleaner. Care should be taken when using tools to cut the boards.

SUPPLY

Bituboard	3.2 mm 2m x 1m, wt 7.7kg# 3.5 mm 2m x 1m, wt 8.4kg# 4.0 mm 2m x 1m, wt 9.6kg 6.0 mm 2m x 1m, wt 14.0kg
Watertite TS 15	50mm x 10m, wt 0.60kg#
Bitubond N	5L Tin

 # Approximate weight

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Thickness, [mm]	3.2/3.5/4/6	DIN EN 1849-1
Density, [g/cc]	1.1-1.2	
Mass per unit area [kg/m^2]		
3.2 [mm]	3.7 - 3.9	DIN EN 1849-1
3.5 [mm]	4.0 - 4.2	DIN EN 1849-1
4.0 [mm]	4.7 - 4.9	DIN EN 1849-1
6.0 [mm]	7.0 - 7.2	DIN EN 1849-1
Softening point [R&B], [°C]	> 105	ASTM D 36/ DIN EN 1427
Asphalt content, [%]	> 65	ASTM D 545
Chisel puncture	Pass	In house test method
Heat resistance @80°C	No Flow	DIN EN 52 123
Hydrostatic pressure @5 bar [50m]	No leakage	BS EN 12390 (Part 8)
Good resistance to chemicals, sulphate & chlorides [pH]	2.2 - 11.5	ASTM D 543
VOC [g/l]	<50	ASTMD3960/ D2369

All values given are subject to 5-10% tolerance

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