

Fibre impregnated asphaltic protection board

TECHNOBOARD 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 fibreglass on one side and anti-stick polyethylene liner on the other.

CHARACTERISTICS

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

FIELDS OF APPLICATION

TECHNOBOARD 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. TECHNOBOARD will absorb the impact of aggregate shock, normal site foot traffic and protect the waterproofing membrane from penetration by the sharp edges of reinforced steel and aggregate during the backfill process and late settlement.

APPLICATION INSTRUCTIONS

The application of TECHNOBOARD should be carried out when the ambient temperature is between 5°C and 55°C and should be avoided in case of extreme weather conditions such as sand storms, rain, etc. TECHNOBOARD can be fixed on top of the waterproofing membrane by using a double sided adhesive tape 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 HDPE bitumen adhesive strip to prevent any backfill material entering and causing damage to the underlying waterproofing membrane.



HANDLING

TECHNOBOARD 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

TECHNOBOARD 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

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

TECHNOBOARD 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

TECHNOBOARD	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 [#]

TECHNICAL SPECIFICATION

PROPERTIES	VALUES				TEST STANDARDS
Thickness, [mm]	3.2	3.5	4.0	6.0	DIN EN 1849-1
Density, [g/cc]	1.1-1.2				
Mass per unit area [kg/m ²]	3.7 - 3.9	4.0 - 4.2	4.7 - 4.9	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 (50 m)	No leakage				BS EN 12390 (Part 8)
Chemical resistance [pH]	2.5-11.5				ASTM D 543
VOC [g/l]	<50				ASTMD3960/ D2369

All values given are subject to 5-10% tolerance