

IMI BOARD

IMI BOARD, GLASS FIBRE IMPREGNATED BITUMINOUS PROTECTION BOARDS

IMI BOARD - 30	3.0 mm THICK
IMI BOARD - 32	3.2 mm THICK
IMI BOARD - 35	3.5 mm THICK
IMI BOARD - 40	4.0 mm THICK
IMI BOARD - 50	5.0 mm THICK
IMI BOARD - 60	6.0 mm THICK

SALIENT FEATURES

- Robust, durable and flexible.
- Avoids the need for masonry or screed protection.
- Compatible with all waterproofing systems.
- Not affected by corrosive salts in ground water.
- Rot proof.

DESCRIPTION

IMI Boards/sheets is a Semi Rigid Pre-formed Protection Board composed of mineralized polymer bitumen impregnated and coated with rot proof cores covered with polyethylene film on both sides.

SURFACE FINISH

The top surface of the board/sheet is finished with PE film with IMI Logo. The bottom surface of the board/sheet is covered with a thin layer of PE film.

USES

IMI Boards/sheets has been developed to provide delicate waterproofing systems with a protective barrier against abrasive back-filling, site abuse or damage caused by steel fixers. The boards are unaffected by high heat and will not sag or lose shape.

STORAGE

Store in suppliers original packing in a horizontal position to prevent deformation, protect against direct sunlight, dust & other contaminants.

APPLICATION

IMI Boards/sheets are to be installed over waterproofing membranes, and may be easily cut with a roofer's knife to fit any profile. The board is semi rigid. Depending on the waterproofing system, the board may be welded into position by heating it with a gas torch on the unprinted (plain side), or held in place by a compatible cold bituminous adhesive or tape and IMI logo side will be seen outside on the exposed side.

On vertical applications, **IMI** Boards/sheets should be held in position by spot bonding, using an adhesive where applicable. At higher temperature, especially for the 6 mm thick sheets. It may be necessary to leave the supports in place until backfilling operation. In horizontal area spot bonding at the corners and sides of the boards will be sufficient to avoid slippage during work over the boards. When used continuously over a water-proofing system, **IMI** Boards/sheets will absorb mechanical shock from impacting aggregate during back-filling, foot traffic and ordinary site abuse by other trades.

IMI Boards/sheets are compatible with bitumen torch-applied or self-adhering membranes.



Properties		IMI Board		Method of Testing
Nominal thickness of Board/sheets		3.0,3.2,3.5 & 4 mm	5.0 & 6mm	ASTM D 5147, UEAtc
Tensile Strength	Longitudinal	950 N/5cm	950 N/5cm	UEAtc
	Transversal	450 N/5cm	500 N/5cm	
Tear Strength	Longitudinal	450 N	550 N	ASTM D 5147
	Transversal	300 N	400 N	
Puncture resistance	Static Indentation	L ₂	L ₃	UEAtc
	Dynamic Indentation	I ₂	I ₃	
Puncture resistance, Load/Deflection		220 N (10mm min.)	250 N (12mm min.)	ASTM E 154
Chisel Puncture (650gms, 0.5 mtr)		< 1.0 mm		In House
Size		1 m x 2 m		UEAtc
Weight		> 1.15 kg/ mm/ m ²		UEAtc
Bitumen Content, minimum		Min. 55 %		ASTM D 545, ASTM D 4/ D 6307
Softening Point *		155 °C		UEAtc, ASTM D 36
Water absorption @ 24 hrs.		< 0.3%		ASTM D 570
Heat resistance @ 100°C		No flow		UEAtc
Environment Test		Conforms		ASTM D 543

* Compound Properties (Tested during manufacturing process)

The technical data given here are the average results of tests carried out in our laboratory on the IMI board/sheets. IMI reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data that to the best of our knowledge is accurate and true. All recommendations are made in good faith. No responsibility can be accepted by us and no warranty is implied with regard to any of the recommendations made in this data sheet, since the conditions of actual use and the labor involved are beyond our control. IMI board/sheets are not affected by chlorides, sulphates & phosphates as well as dilute acids found in ground water.

HANDLING PRECAUTIONS: Keep boards stored on pallets placed on level surfaces under shade or cover. Do not stack more than 2 pallets high. There is not health hazards associated with normal usage. Wear gloves while handling to avoid injury. There are no bituminous fumes given off during installation and they are not harmful to human health. There is also low noise pollution during application.

Packing Configuration:

IMI BOARD 30 250 board/sheets per pallet
 IMI BOARD 32 250 board/sheets per pallet
 IMI BOARD 35 200 board/sheets per pallet
 IMI BOARD 40 200 board/sheets per pallet
 IMI BOARD 50 100 board/sheets per pallet
 IMI BOARD 60 100 board/sheets per pallet

Product generic name

APP-XP-3P-PBS
 APP-XP-3.2P-PBS
 APP-XP-3.5P-PBS
 APP-XP-4P-PBS
 APP-XP-5P-PBS
 APP-XP-6P-PBS

Storage:

Board/sheets must be palletized at all times, in a covered well-ventilated storage area, away from sources of direct heat. If ambient temperatures at storage site fall below 10°C, the board/sheets should be exposed to warmer temperatures of 10°C to 40°C for periods of up to 2 hours prior to use to facilitate ease of application for board/sheets. If stacking is necessary, ensure that rigid sheet of plywood is placed between the pallets. Do not stack more than 2 high. IMI board/sheets have a shelf life of 24 months from the date of production, if stored in a cool, dry store in original unopened packing. IMI BOARD is available shrink wrapped on pallets for easy handling. It should be offloaded with the help of crane or forklift. If the boards are unloaded separately, please ensure that they are stacked once again on a pallet or on a flat surface. Should be stored in a covered area.

Indicative Loading Capacity for 6mm thickness:

12 Pallets per 40 ft Trailer / 10 Pallets per 20 ft Container

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* This technical data sheet supersedes all previous publications pertaining to this product