

PROTECTAR SUPER

HEAVY DUTY POLYESTER IMPREGNATED BITUMINOUS PROTECTION BOARDS

PROTECTAR Super-35	3.5 mm THICK
PROTECTAR Super-40	4.0 mm THICK
PROTECTAR Super-60	6.0 mm THICK

SALIENT FEATURES

- Superior puncture and tear resistance.
- Robust, durable and flexible.
- Long life even when exposed to wet conditions.
- Avoids the need for masonry or screed protection.
- Compatible with all waterproofing systems.
- Not affected by corrosive salts in ground water.
- Rot proof.

DESCRIPTION

PROTECTAR SUPER Boards/sheets is a heavy duty High Performance 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.

STANDARD

Exceeds the requirement of ASTM D 6506.

USES

PROTECTAR SUPER Boards/sheets has been developed to provide delicate waterproofing systems with a very strong 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

PROTECTAR SUPER 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 and will not crack when bent. Depending on the waterproofing system, the board may be welded into position by heating it with a gas torch, or held in place by a compatible cold bituminous adhesive or tape. On vertical applications **PROTECTAR SUPER** Boards/sheets should be held in position by spot bonding, using an adhesive where applicable.

PROTECTAR SUPER Boards/sheets are compatible with bitumen torch-applied or self-adhering membranes. When used continuously over a water-proofing system, **PROTECTAR SUPER** Boards/sheets will absorb mechanical shock from impacting aggregate during back-filling, foot traffic and ordinary site abuse by other trades.



Properties		PROTECTAR SUPER		Method of Testing
Nominal thickness of Board/sheets		3.5 & 4.0mm	6.0mm	ASTM D 5147, UEAtc
Tensile Strength	Longitudinal	1050 N/5cm	1250 N/5cm	UEAtc
	Transversal	850 N/5cm	1000 N/5cm	
Puncture resistance	Static Indentation	L ₄	L ₄	UEAtc
	Dynamic Indentation	I ₄	I ₄	
Puncture resistance, Load/Deflection		> 1500 N	> 1650 N	ASTM E 154
Chisel Puncture (650gms, 0.5 mtr)		< 1.0 mm	< 1.0 mm	In House
Tear Strength	Longitudinal	750 N	850 N	ASTM D 5147
	Transversal	550 N	650 N	
Size		1 m x 2 m		UEAtc
Weight		> 1.15 kg/ mm/ m ²		UEAtc
Bitumen Content, minimum		Min. 60 %		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

* Compound Properties (Tested during manufacturing process)

The technical data given here are the average results of tests carried out in our laboratory on the PROTECTAR SUPER 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 labour involved are beyond our control. PROTECTAR SUPER 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:

PROTECTAR SUPER-35 200 board/sheets per pallet
 PROTECTAR SUPER-40 200 board/sheets per pallet
 PROTECTAR SUPER-60 100 board/sheets per pallet

Product generic name Storage:

APP-XP-3.5P-PBS
 APP-XP-4.0P-PBS
 APP-XP-6.0P-PBS

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. PROTECTAR SUPER board/sheets have a shelf life of 12 months from the date of production, if stored in a cool, dry store in original unopened packing. PROTECTAR SUPER 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