

# PROTECTAR

## POLYESTER, GLASS FIBRE IMPREGNATED BITUMINOUS PROTECTION BOARDS

<b>PROTECTAR-30</b>	<b>3.0 mm THICK</b>
<b>PROTECTAR-32</b>	<b>3.2 mm THICK</b>
<b>PROTECTAR-35</b>	<b>3.5 mm THICK</b>
<b>PROTECTAR-40</b>	<b>4.0 mm THICK</b>
<b>PROTECTAR-50</b>	<b>5.0 mm THICK</b>
<b>PROTECTAR-60</b>	<b>6.0 mm THICK</b>

### 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** Boards/sheets is a 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** Boards/sheets has been developed to provide delicate waterproofing systems with a 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** 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** Boards/sheets should be held in position by spot bonding, using an adhesive where applicable.

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

When used continuously over a water-proofing system, **PROTECTAR** Boards/sheets will absorb mechanical shock from impacting aggregate during back-filling, foot traffic and ordinary site abuse by other trades.



## # TECHNICAL DATA FOR PROTECTAR RANGE



Properties		PROTECTAR		Method of Testing
Double Reinforcement core		Polyester and Fiberglass Roofing Mat		UEAtc MOAT 31: Para F
Nominal thickness of Board/sheets		3.0,3.2,3.5 & 4 mm	5.0 & 6mm	ASTM D 5147, UEAtc
Tensile Strength	Longitudinal	850 N/5cm	1000 N/5cm	UEAtc
	Transversal	500 N/5cm	600 N/5cm	
Puncture resistance	Static Indentation	L <sub>3</sub>	L <sub>4</sub>	UEAtc
	Dynamic Indentation	I <sub>3</sub>	I <sub>4</sub>	
Puncture resistance, Load/Deflection		750 N (20mm min.)	850 N (20mm min.)	ASTM E 154
Chisel Puncture (650gms, 0.5 mtr)		-	< 1.0 mm	In House
Tear Strength	Longitudinal	600 N	700 N	ASTM D 5147
	Transversal	400 N	500 N	
Size		1 m x 2 m		UEAtc
Weight		> 1.15 kg/ mm/ m <sup>2</sup>		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.		< 0.5%		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 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. PROTECTAR board/sheets are not affected by chlorides, sulphates & phosphates as well as dilute acids found in ground water.

#### Packing Configuration:

PROTECTAR 30 250 board/sheets per pallet  
 PROTECTAR 32 250 board/sheets per pallet  
 PROTECTAR 35 200 board/sheets per pallet  
 PROTECTAR 40 200 board/sheets per pallet  
 PROTECTAR 50 100 board/sheets per pallet  
 PROTECTAR 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. PROTECTAR board/sheets has a shelf life of 24 months from the date of production, if stored in a cool, dry store in original unopened packing.

#### Indicative Loading Capacity for 6mm thickness:

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

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