

MasterSeal® 720PB

Glass fibre impregnated bituminous protection boards

DESCRIPTION

MasterSeal 720PB is a semi rigid preformed Protection Board composed of mineralized polymer bitumen impregnated and coated with rot proof cores covered with polyethylene film on both sides.

It is used for protection in the **MasterSeal** bitumen membranes waterproofing system.

FEATURES & BENEFITS

- 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.

USES

MasterSeal 720PB 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.

PACKAGING

MasterSeal 720PB is supplied as:

- 3.0mm thick – board size 1m x 2m
- 4.0mm thick – board size 1m x 2m
- 6.0mm thick – board size 1m x 2m

TYPICAL PROPERTIES*

Tensile Strength UEAtc Longitudinal	900 N/5cm	
Transversal	500 N/5cm	
Tear Strength ASTM D5147	400 N	
Puncture resistance UEAtc	3.0 & 4.0mm	6.0mm
Static Indentation	L	L
Dynamic Indentation	2 I2	3 I3
Puncture resistance, Load/Deflection ASTM E154	200N (10mm min.)	
Chisel Puncture (650gms, 0.5 mtr)	3.0 & 4.0mm -	6.0mm < 1.0mm
Size UEAtc	1m x 2m	
Weight UEAtc	>1.15kg/mm/m ²	
Bitumen Content, minimum ASTM D545 ASTM D4 / D6307	Min. 55%	
Softening Point # UEAtc, ASTM D36	155°C	
Water absorption @ 24 hrs. ASTM D570	< 0.3%	
Heat resistance @ 100°C UEAtc	No flow	
Environment Test ASTM D543	Conforms	

* Compound Properties (Tested during manufacturing process)

The technical data given here are the average results of tests carried out in our laboratory on the **MasterSeal 720PB**.

The boards are not affected by chlorides, sulphates & phosphates as well as dilute acids found in ground water.

APPLICATION

MasterSeal 720PB 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, or held in place by a compatible cold bituminous adhesive or tape. On vertical applications, **MasterSeal 720PB** should be held in position by spot bonding, using an adhesive where applicable. At higher temperature, especially for the 6mm thick sheets. It may be necessary to leave the supports in place until backfilling operation

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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, **MasterSeal 720PB** will absorb mechanical shock from impacting aggregate during back-filling, foot traffic and ordinary site abuse by other trades.

MasterSeal 720PB are compatible with bitumen torch-applied or self-adhering membranes.

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 no 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.

STORAGE & SHELF LIFE

MasterSeal 720PB 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.

MasterSeal 720PB has a shelf life of 12 months from the date of production, if stored in a cool, dry store in original unopened packing.

MasterSeal 720PB 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.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from Master Builders Solutions's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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