

MasterSeal[®] 720PB

Glass fibre impregnated bituminous protection boards

DESCRIPTION

MasterSeal 720PB is a tough semi-flexible 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.

Also available Protection Board in Self Adhesive Grade.

ADVANTAGES

- 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
- 3.2mm thick – board size 1m x 2m
- 3.5mm thick – board size 1m x 2m
- 4.0mm thick – board size 1m x 2m
- 6.0mm thick – board size 1m x 2m

TYPICAL PROPERTIES*

Characteristics	Test methods	Result 3mm	Result 3.2mm	Result 3.5mm	Result 4mm	Result 6mm
Water Absorption (n/a slate)	ASTM D5147 / ASTM D570	≤0.55%	≤0.55%	≤0.55%	≤0.55%	≤0.75%
Puncture resistance	ASTM D514 / ASTM D5147	1200N; ≥32mm	1200N; ≥32mm	1200N; ≥25mm	1200N; ≥32mm	1200N; ≥25mm
Mass per unit area	EN 1849-1	3.85kg/m ² ±10%	4.25kg/m ² ±10%	4.8kg/m ² ±10%	5.5kg/m ² ±10%	7.65kg/m ² ±10%
Thickness	EN 1849-1	3.0mm (-0.20mm)	3.2mm (-0.20mm)	3.5mm (-0.20mm)	4.0mm (-0.20mm)	6.0mm (-0.20mm)
Resistance to static loading (method A)	EN 12730	25kg (min)	25kg (min)	25kg (min)	25kg (min)	25kg (min)
Resistance to impact	EN 12691	≥700mm	≥700mm	≥700mm	≥700mm	≥700mm
Reaction to fire	EN 13501-1	F (Euroclass)	F (Euroclass)	F (Euroclass)	F (Euroclass)	F (Euroclass)

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 **MasterSeal 270PBA** adhesive.

On vertical applications, **MasterSeal 720PB** should be held in position by spot bonding using **MasterSeal 270PBA** 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 AND 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.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

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