

GARSHIELD PROTECTION BOARD

ASTM D 6506 AND AASHTO M 33

DESCRIPTION

GARSHIELD boards are typically semi rigid protection boards for all types of vertical torch applied modified bitumen membranes against mechanical stress and impact. It provides permanent protection to most waterproofing and damp proofing systems. Its high puncture resistance protects the waterproofing membrane from any impact by sharp aggregates during the back-fill process and other later settlements. Its own waterproofing characteristics will improve the overall waterproofing ability of the system.

ADVANTAGES

- Excellent dimensional stability.
- High impact and puncture resistance.
- Mostly suitable for vertical applications.
- Resists the attack of salts and chemicals.
- Pre-formed, easy to handle, quickly to use.
- Economical Resists penetration of back filling.
- Rot-proof
- Light and easily handled
- Improves the overall ability of the waterproofing system.
- Prevents materials from accidental damage in site operations.
- Apply immediately after lay and inspect waterproofing membrane.
- Avoids the need for screed or masonry protection
- Robust
- Low water absorption

INSTRUCTIONS FOR APPLICATION

GARSHIELD boards are applied by either spot torching method that is a very slight propane torch welding can be done on the membrane, loose laid or the recommended cold applied self-adhesive at particular areas and the Protection Board shall be attached to the membrane. Mechanical fastening methods deployed to avoid displacement of the boards.

QUALITY CONTROL

Despite the stringent adherence to the highest standards in our QA/QC laboratory tests, our products also analyzed by independent laboratories.

HEALTH & SAFETY

Take all safety measures during application. Fire extinguishers should be available in the site. Labor should wear personnel protective tools such as gloves and goggles during application.

PACKING

Produced in sheets of 1 x 2 meters, nominal thickness 3.5mm, 4mm or 6mm as per the customer demand though special lengths are available upon request. The boards are palletized and shrink-wrapped.

STORAGE & MATERIAL HANDLING

All products have a shelf life of 12 months if stored in a cool, dry store, away from sources of heat, in the original unopened packing. It should be stored horizontally, not more than one pallet high. However, if a wooden board is used, two pallets may be stacked one over the other.



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منتج قطري
QATARI PRODUCT



AN ISO 9001:2015, ISO 14001:2015
& ISO 45001:2018 Certified Company

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TECHNICAL DATA TABLE

PROPERTIES	UNIT	SPECIFICATIONS			TEST METHOD
Nominal Thickness, (± 5%)	mm	3 mm	4 mm	6 mm	ASTM D 5147
Board Size, (± 1%)	m	2 x 1			ASTM D 5147
Unit Weight Of Board	kg/m ²	4	6	8	UEAtc M.O.A.T. 30
Specific gravity	kg/m ³	1.1-1.5			UEAtc M.O.A.T. 30
Softening Point	°C	>150			ASTM D 36
Flexibility @ 25°C	--	Flexible			ASTM D 5147
Bitumen Content % (±20 %)	%	>50			ASTM D 4
Water Resistance at 100 Kpa	---	No leakage/Impermeable			DIN 52123
Chemical and Salt Resistance	--	Excellent			In house
Puncture Resistance N (±10%)	N	800	1000	1400	ASTM E 154
Chisel Test	--	Pass			In house
Chemical Resistance-[pH]	Pass	2.5-11.5			ASTM D 543
Water absorption @ 24hrs	%	< 1			ASTM D 570

NOTE:

- Extra products and details provided upon request.
- All the rights to change the above values remains to **GAR WATERPROOFING & BITUMEN FACTORY** due to their constant improvements towards better and quality products.
- This publication automatically supersedes all previous publications relating to this product.
- The information and, the recommendations relating to the application and end-use of Gar products, are in good faith based on Gar's current knowledge and experience of the products when properly handled, stored, and applied under normal conditions in accordance with Gar's recommendations, and applicable specifications. However, no warranty or representation of law or act with respect to such information.



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