

Protection board

PRODUCT

Proboard PE is manufactured as a semi-flexible, semi-rigid board made of a tough bituminous mix with fillers and mod-ifiers, held under pressure between two laminating fibrous and non-woven carriers, providing the board with a superior puncture resistance and low deflection coefficient.

BENEFITS

- Positive barrier to water and dampness with very low water absorption.
- Non invasive. Compatible with almost every waterproofing membrane and coating like: Bituminous, EPDM, TPO, PVC, polyurethane, butyl rubber, epoxy, acrylic, Chlorinated rubber, coal tar and many others.
- Withstands site abuse and impact from backfilling operations as well as effective protection against construction traffic, concreting and other topping work
- Maintains shape stability at high temperatures and retains flexibility at low temperatures. It is tough, root-proof and non-bio degradable. It is unaffected by permanent immersion in water.
- Resistant to salts, chlorides and other chemicals normally found in soils.
- Can be used as a recovery board in re-roofing as a fast, light weight alternative to screed and eliminating the need to remove the old roofing regardless of its type.
- It comes in a variety of thickness from 3 mm to 6 mm.
- Semi-flexible can be bent to normal contours without cracking while rigid enough to hold as a board on vertical surfaces.
- The top surface is covered with either fine sand (SAND) or a thin Polyethylene film (PBS). The bottom surface is covered with a thin easy torched Poly-Ethylene film
- High puncture and impact resistance. Pass the chisel test.

SCOPE OF USE

Proboard PE is a tough semi-flexible, rot-proof, durable pre-molded bitumen based board suitable for a variety of applications in below or above ground waterproofing as well as roofing, parking, bridge decks, wet areas, planters, pools, fountains and civil works.



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
1x2 m	1x2 m	1x2 m	1x2 m	1x2 m	1x2 m	1x2 m	1x2 m

TECHNICAL PARAMETERS

Properties	Test method	3.20 mm	4.00 mm	6.00 mm
Heat resistance at 80°C	EN 52123	No flow	No flow	No flow
Water Absorption (n/a slate)	ASTM D570	< 1%	< 1%	< 1%
Puncture resistance	ASTM E154	≥ 800 N	≥ 800 N	≥ 800 N
Penetration at 25°C	ASTM D5	10 dmm	10 dmm	10 dmm
Mass per unit area		3.8 kg/m ²	4.8 kg/m ²	7.1 kg/m ²
Softening point	ASTM D36	>140°C	>140°C	>140°C
Chisel puncture	In house	Pass	Pass	Pass
Resistance to water pressure @5Bar	BS EN 12390	Pass	Pass	Pass

*All values are subject to 5-10% tolerance

Proboard PE products are tested at random intervals by independent laboratories to international standards and the results of these tests are available on request. In addition, each batch manufactured is subject to strict quality control procedures to ensure it meets appropriate and applicable standards and/or norms.

INSTRUCTIONS FOR USE

Proboard PE should be installed in butt joints continuously over the waterproofing material staggering the joints whenever possible. Cut the Proboard with roofer's knife as required to obtain complete coverage and neat overall finish. On horizontal surfaces, proboard can be placed loose directly on the waterproofing membrane or coating while spot bonding with hot and cold adhesive on the edges to avoid slippage. On vertical surfaces the Proboard can be fixed in two recommended ways: Cold adhesion by the means of spot bonding with hot and cold adhesive. Heated application by slightly burning the underside of the board away from the surface and quickly pressing it. A temporary support might be necessary until the backfilling starts. During backfilling care must be taken to ensure the board is not dragged down.

TOOLS & EQUIPMENT

Proboard PE is easily placed by hand. Only a gas torch maybe required whenever fixing by heat is preferred.

SAFETY PRECAUTIONS

Proboard PE might leave stains on the skin, it can be removed by using any light solvent.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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