

A board designed for protection and recovery with a degree of flexibility.



Al Khalidiya
Water Proofing & Insulation Co. LLC

KITOBOARD

Description

KITOBOARD is a resilient pre-molded bitumen-based board, combining toughness and semi-flexibility, making it resistant to rot and durable. It is well-suited for diverse applications such as waterproofing below or above ground, roofing, parking structures, bridge decks, wet areas, planters, pools, fountains, and civil works.

Uses

To safeguard waterproofing membranes from impact and abrasion caused by on-site traffic and potential damage from coarse or sharp materials during backfill operations.

Advantages

- » Compatible with all waterproofing systems.
- » Functions as a robust barrier against water and dampness, exhibiting minimal water absorption.
- » Withstands site abuse and impact during backfilling operations, offering effective protection against construction traffic, concreting, and other topping work.
- » Maintains shape stability at high temperatures and retains flexibility in low temperatures.
- » Exhibits toughness, rot-proof characteristics, and is non-biodegradable, remaining unaffected by prolonged immersion in water.
- » Resistant to salts, chlorides, and other soil chemicals.
- » Suitable for use as a recovery board in re-roofing, providing a quick, lightweight alternative to screed and eliminating the need to remove the old roofing, regardless of its type.
- » Available in various thicknesses, including 3.2mm, 3.5mm, 4.0mm, and 6.0mm, catering to specific specifications and client requirements.
- » Unaffected by corrosive salts in groundwater.
- » Semi-flexible, allowing bending to normal contours without cracking while maintaining rigidity for use as a board on vertical surfaces.
- » Features a bottom surface covered with a thin, easily torched Poly-Ethylene film.
- » Demonstrates high puncture and impact resistance, passing the chisel test.

Properties

Values

Thickness (ASTM D5147)	3.2mm	3.5mm	4mm	6mm
Water Absorption (n/a slate) (ASTM D5147)	<0.55%	<0.55%	<0.55%	<0.75%
Puncture resistance (ASTM E514)	1200N; 32mm	1200N; 32mm	1200N; 32mm	1200N; 32mm
Softening Point(R&B) (ASTM D36)	>129°C		>129°C	
Mass per unit area (EN 1849-1)	4.5 Kg/m ²	4.8 Kg/m ²	5.5 Kg/m ²	7.65 Kg/m ²
Chisel Test, (In House)	Pass		Pass	
Heat Resistance @80 Deg C, (EN 52 123)	No Flow	No Flow	No Flow	No Flow
Hydrostatic Pressure @5 Bar, (EN 12390)	No Leakage	No Leakage	No Leakage	No Leakage
Bitumen Content, (ASTM D 545)	>75%		>75%	

All values given are subject to 5-10% tolerance

Composition

KITOBOARD is produced as a semi-flexible, semi-rigid board comprised of a robust bituminous mixture with fillers and modifiers. This mixture is held under pressure between two laminating fibrous and non-woven carriers, imparting superior puncture resistance and a low deflection coefficient to the board.

Method of Application

KITOBOARD installation involves placing it in butt joints continuously over the waterproofing material, staggering joints whenever feasible. Use a roofer's knife to cut KITOBOARD as needed for complete coverage and a tidy overall finish.

For horizontal surfaces, KITOBOARD can be loosely laid directly on the waterproofing membrane or coating, with spot bonding along the edges using adhesive to prevent slippage.

On vertical surfaces, BETOBOARD can be secured using two recommended methods:

- Heated application: Gently heat the underside of the board away from the surface and promptly press it into place.
- Cold adhesion: Use spot bonding with adhesive to affix the board.

Temporary support may be necessary until backfilling starts. Exercise caution during backfilling to ensure the board is not dragged down.



Tools & Equipment

KITOBOARD can be effortlessly positioned by hand, and the use of a gas torch may be necessary only when additional adhesion is preferred.

Packing

Kitoboard is available in various thicknesses, including 3.2mm, 3.5mm, 4mm, and 6mm, with each sheet measuring 2m x 1m.

Storage

The products maintain their quality for a period of 12 months when stored in the original, unopened packaging in a cool, dry environment, free from heat sources. It is recommended to store them horizontally and not stack more than one pallet high.

Health & Safety

The normal use of this product does not pose any health hazards.

Product Disclaimer:

Kito products are guaranteed against defects in materials and manufacturing, and their sale is governed by our standard Conditions for the Supply of Goods and Services. The technical information provided has been meticulously compiled, and to the best of our knowledge, it is accurate and true as of the leaflet's printing date. However, continuous development efforts may lead to variations based on factors such as raw material availability, client specifications, and environmental conditions. The actual technical specifications may differ from those outlined herein, as we reserve the right to make changes, modifications, or improvements without prior notice.

All recommendations and suggestions are made in good faith and are intended for general guidance only. We do not imply or provide any warranty regarding application, as conditions of use and associated labor are outside our control.



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