

CIKOboard HDB



Flexible Bituminous Protection Board

Description

CIKOboard HDB is a semi flexible protection board impregnated with APP modified bitumen and reinforced with non-woven polyester. The product protects waterproofing insulations from construction abuse and harmful puncture by stones and rocks during back filling. In horizontal surfaces, it provides protection against normal foot traffic as well as the wearing caused by built-up layers.

Properties & Advantages

- Light and easily handled
- Durable
- Economical and convenient to use
- Low water absorption
- Flexible
- Resistant to rooting

Application Area & Uses

CIKOboard HDB is installed to protect liquid applied membranes and waterproofing sheets against impacts, abrasions, and punctures from site traffic and from sharp materials during back fill.

Applicable standards

CIKOboard HDB complies with Qatar Construction Specifications (QCS)

Packaging and Storage

CIKOboard HDB are stacked over pallets and wrapped, it must be stored on ground level in dry and shaded areas away from direct sunlight and harsh conditions. The pallets should be loaded or off loaded with the help of crane or forklift to prevent damages. Do not stack more than one pallet.

Physical and Chemical Properties

PROPERTIES	RESULTS	TEST METHOD
Nominal Size (m)	2*1	---
Board Thickness (mm)	4 & 6 ± 0.3	ASTM D 5147
Reinforcement Polyester (g/m ²)	180 - 200	ASTM D 5147
Coating Asphalt	APP Modified Asphalt	
Softening point (R&B)	>155°C	ASTM D 36
Penetration at 25 °C (dmm)	6 - 8	ASTM D 5
Bitumen Content (%)	≥50	ASTM D 4
Water Absorption at 24 Hrs.	0.3 ± 0.5	ASTM D 570
Puncture Resistance (N)	800	ASTM E 154
Deflection (mm)	12 - 13	ASTM E 154

Application Instructions

The surface of the waterproofing membrane sheet or liquid applied waterproofing membrane must be clean, dry, sound free from oil, grease, dust or any type of loose particles.

Apply CIKOkey Bond using a brush without leaving any gap on both surfaces at a rate ranging between 0.16 kg/m² up to 0.25 kg/m². Keep the applied adhesive for 10 up to 20 minutes (depending on prevailing ambient conditions) prior to initial skin formation

Press with a hard roller to strengthen the adhesion of the protection board to the membrane. On vertical wall outside, start at the bottom of the wall to height of first backfill layer and compact to minimize risk of displacement of boards. Support the installed boards for the first 24 hours to keep in place after fixing until the adhesive has cured enough. Subsequent boards shall be laid continuously by butt fitting the edges as overlapping is not required.

Avoid the application of protection board in case of extreme weather. Ambient temperature during application should be between 4 °C and 45 °C.

Health & Safety

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas, and torch should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.

Technical Support

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

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A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*

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Note: The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.