

DESCRIPTION

NILOBOARD is a tough, semi flexible pre-fabricated protection board, composed of mineral fortified bituminous core, held under pressure between two asphalt saturated carriers.

USES

NILOBOARD is used as a protection layer over waterproofing applications on bridge decks, parking garage decks, terraces, tunnels, foundation walls and slabs, and wet room floors. The tough durable nature of the product makes it ideally suited to withstand the shock and impact of backfilling and paving as well as normal on-site traffic, concreting, or other toppings.

FEATURES

Protect waterproofing against construction traffic, other trades, and impact of back fill soil.

- Compatible with almost all waterproofing membranes such as bituminous, EPDM, TPO, PVC and coatings such as acrylic, polyurethane, epoxy and others.
- Resistant to salts and chemicals normally found in soil (Chlorides, Sulphates, and Phosphates).
- Rot-proof, un-affected by emersion in ground water, and impervious to water.
- Excellent resistance to puncture & normal site conditions.
- Can bridge over gravel embedded roof surfaces, and can be bent to normal contours while maintaining rigidity, due to being semi flexible.

Bituminous Protection Board

APPLICATION

The surface to receive the protection board is normally one which has been waterproofed. The waterproofed surface must be clean, free of any debris, or sharp protrusions.

Apply NILOBOARD protection board directly on the waterproofing membrane as soon as practicable.

Horizontal Application:

Butt together all protection board panels and cut to fit all intersecting and protruding surfaces. Cover joints with joint tape if desired. Ensure subsequent ballast layers are applied as soon as possible following protection board application.

Vertical Application:

At vertical walls apply in stages starting from bottom and continuing to the height of backfill level.

- Hold temporarily by propping in place till backfill is accomplished to avoid board displacement.

- To fix NILOBOARD use one of the following methods depending on the type of waterproofing membrane used:

- Cold/hot applied adhesives.
- Hot air gun or gas torch to slightly melt the bitumen on the underside of protection board and attached to waterproofing membrane.
- Self adhesive tapes.

- Stagger joints a minimum of 15cm and. Cover joints with joint tape to prevent backfill particles from damaging the membrane. Back fill immediately, using care and caution to avoid damage to waterproofing system.

Form of Supply & Storage:

NILOBOARD is supplied in sheets 1M X 2M in standard thicknesses 3mm, 4mm, 5mm and 6mm. Boards should be kept stored in pallets placed on level surfaces under shade or cover. Stack no more than two pallets high.

Product	Boards/ Pallet
NILOBOARD 3.0 mm	225
NILOBOARD 4.0 mm	150
NILOBOARD 5.0 mm	125
NILOBOARD 6.0 mm	100

Loading Capacity: 10 pallets/ 20' Container



NILOBOARD

Bituminous Protection Board

Properties		Value				Norm
	Reinforcement	Double Reinforcements				BituNil Internal
	Weight of reinforcements	Min 240 g/m ²				EN 29073
Board Size / Weight Thickness	Nominal Thickness	3.0 mm	4.0mm	5.0mm	6.0 mm	EN 1849
	Nominal Weight	9 Kg	12Kg	15Kg	18 Kg	EN 1849
	Board Dimensions	2 m x 1 m				EN 1848
Mechanical Properties	Tensile Strength (Longitudinal)	700 N/5cm	800N/5cm	900N/5cm	1000 N/5cm	EN 12311
	Tensile Strength (Transversal)	700 N/5cm	750N/5cm	750N/5cm	800 N/5cm	EN 12311
	Tear Resistance (Longitudinal)	550N	600N	700N	700 N	ASTM D 5147
	Tear Resistance (Transversal)	500N	550N	600N	600N	ASTM D 5147
Puncture Resistance	Static Puncture Resistance	15Kg	20Kg	25Kg	30Kg	EN 12730 A
	Dynamic Puncture Resistance	900mm	950mm	1000 mm	1100 mm	EN 12691 A
Additional Characteristics	Water Tightness	Impermeable to water (100Kpa)				EN 1928
	Softening Point	> 150 °c				ASTM D 36
	Salt Resistance	Excellent				BituNil Internal
	Water Absorption	Max. 1 %				ASTM D 5147

This version supersedes all previous versions.

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Distributor:



Nile Waterproofing Material Co. S.A.E

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