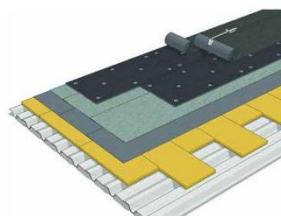


BTL ARMO BOARD

Semi-Flexible Protection and Recovery Board

JUNE 2024
REV 05

APPLICATIONS



THE PRODUCT

BTL ARMO BOARD is a semi-flexible, rot-proof, and durable bitumen-based protection and recovery board. It provides a strong physical barrier against water, dampness, and mechanical damage, ensuring protection for waterproofing membranes and coatings.

It is manufactured from a dense bituminous compound blended with fillers and performance modifiers. The mix is compressed between two fibrous and non-woven laminating carriers, providing exceptional toughness, puncture resistance, and low deflection.

USES

BTL ARMO BOARD is compatible with most waterproofing systems and offers high puncture and impact resistance. Engineered for below- or above-ground applications, it maintains flexibility at low temperatures and dimensional stability at high temperatures.

- Below and above ground waterproofing protection
- Roofing and re-roofing systems
- Parking decks and bridge decks
- Wet areas, planters, and foundations
- Swimming pools, tanks, and fountains

BENEFITS

- ✓ Excellent barrier against water and moisture
- ✓ Compatible with most membrane systems
- ✓ High impact and puncture resistance; withstands site abuse and construction traffic
- ✓ Retains flexibility at low temperature and stability at high temperature
- ✓ Rot-proof, non-biodegradable, and resistant to permanent water immersion
- ✓ Resistant to salts, chlorides, and chemicals commonly found in soil
- ✓ Lightweight, easy to install, and suitable for vertical or horizontal applications

SPECIFICATIONS

Property	Standard	Unit	BTL ARMO	BTL ARMO
			3.0 mm	6.0 mm
Length	ASTM	m	2	2
Width	ASTM	m	1	1
Thickness	ASTM D5147	mm	3.0 (±0.2)	6.0 (±0.2)
Water Absorption	ASTM D5147	%	< 0.55	< 0.75
Puncture Resistance	ASTM D514	N	1200	1200
Puncture Deflection	ASTM D514	mm	32	25
Mass per Unit Area	EN 1849-1	kg/m ²	3.85 (±10%)	7.65 (±10%)
Resistance to Static Loading (Method A)	EN 12730	kg	≥ 25	≥ 25
Resistance to Impact	EN 12691	mm	> 700	> 700
Reaction to Fire	EN 13501-1	-	Euroclass F	Euroclass F

ADDITIONAL INFORMATION

Handling and storage

BTL ARMO BOARD is supplied as 1 m × 2 m boards stacked on double pallets. Store in a cool, shaded area away from direct sunlight.

Stack only one pallet high. Quantity per pallet varies with thickness.

Typical Finishes:

Top surface: Fine sand or polyethylene film.

Bottom surface: Thin polyethylene film (torchable)

Installation

Surface Preparation

Ensure the waterproofing surface is clean, dry, and fully cured before installing ARMO PLY.

Application Method

Install boards in butt joints, staggering the seams for uniform coverage. Cut to fit using a roofer's knife for a neat finish.

Horizontal Application

Place loosely over the waterproofing membrane. Spot-bond edges with adhesive to prevent slippage.

Vertical Application

Fix using one of the following:

Cold adhesion: Spot-bond with adhesive.

Heat application: Lightly torch the underside of the board and press immediately.

Temporary supports may be required until backfilling begins. During backfilling, ensure boards are not displaced or dragged down.

Tool requirements

Hand tools and roofer's knife.

Gas torch (optional, for heat fixing)

Health & Safety

Handle with gloves and avoid prolonged contact with skin.

Use in well-ventilated areas.

Dispose of materials according to local environmental regulations.

CERTIFICATION

BTL ARMO BOARD is manufactured in accordance with **ASTM** and **EN** standards.

Quality controlled under **ISO 9001** certification.

Product tested regularly by independent laboratories.

CE-marked and compliant with European performance standards.

PO Box 1401, Main Road, Byblos,
Lebanon

Customer Service (sales): +961 (81) 267 713

sales@btlast.com

Technical Support Team: +961 (81) 305 141

technical@btlast.com

BTL reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning. All indicators in this specification sheet are based upon our experience and current working practices.