INSUTECH
International Company For Insulation Technology

INSUBOARD

INSUBOARD is a tough, high quality, semi flexible modified bituminous board used as a protection layer for various waterproofing systems, specially waterproof membranes from damage during construction activity.

INSUBOARD consists of a modified bitumen compound with selected additives which is then sandwiched between double layers of saturated reinforcements to provide a robust board.

KEY FEATURES

- Resistant to penetration of backfilling materials and accidental damages from site operations
- Water resistant towards wet soil conditions
- Cost saving by eliminating the need for screed, masonry protection
- Compatible with most waterproofing systems, especially bituminous systems
- Time saving and easy to install
- Resistant to chemicals and salts found in soil.

APPLICATIONS

INSUBOARD is used to protect old and new waterproofing systems from damage caused during construction and backfilling work. INSUBOARD's strong properties of high resistance towards puncture and impact creates an ideal protection of the membrane against sharp aggregate fill materials and other conflicting matters that can follow with a backfill. It can also be used as a protection panel, as a walk pad over exposed roofs as well as around mechanical equipment installed on roofs. The advantage of using INSUBOARD is that in addition to providing protection to the waterproofing system, it also serves a second waterproofing layer improving the overall efficiency of the system.

INSTALLATION

INSUBOARD can be loose-laid directly on the waterproofing material or spot bond by using an adhesive compound or by using double sided adhesive tape or by torch welding or by using hot bitumen once the protection board is fixed in place, for vertical installation supports/props have to be used to keep the boards in place till the adhesive is strong enough to hold the board.

STORAGE

INSUBOARD must be stored in its original packing, placed in a horizontal position in a protected area away from direct sunlight.

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TEST	UNIT	TEST METHOD	TOLERANCE	RESULTS				
Thickness	mm	EN 1849 -1	MDV ± (5%)	3	3.2	3.5	4	6
Width	m	EN 1848 -1	MDV ± (1%)	1				
Length	m	EN 1848 -1	MDV ± (1%)	2				
PUNTURE RESISTANCE								
Resistance to Static Loading	Kg	EN 12730	MLV ≤	10	10	10	15	20
Resistance to Impact Loading	mm	EN 12691	MLV ≤	900	900	900	1000	1200
Resistance to Puncture	N	ASTM E154	MLV ≥	950				
Flow Resistance at elevated Temperature	°C	EN 1110	MDV -10	120				
External Fire Performance	-	EN 13501-5	-	F_{Roof}				
Reaction To Fire	-	EN 13501-1	-	F				

- Due to continuous product development, INSUTECH reserves the right to modify technical specifications without prior notice.
- This publication revokes any previous one. Issue. 1 / © 2022

NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER