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.
INSUBOARD consists of a modified bitumen compound, embedded between two layers of saturated reinforcements such as fiberglass or composite mat, providing a robust protection board with superior resistance to damage and deviation.

KEY FEATURES

- Semi flexible yet robust
- High tolerance to normal soil and structural movements
- 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.

APPLICATION

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 should be installed immediately (after passed flood test) over the waterproofing membrane to avoid any damage to be caused to the membrane by exposure to the surrounding construction.
INSUBOARD can be loose-laid directly on the waterproofing material or spot bond by using an adhesive compound.

PACKGING

INSUBOARD is manufactured in 1x2m rigid boards, stretch wrapped and stacked on a wooden pallet.

STORAGE

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

INSUBOARD

INSUTECH
International Company For Insulation Technology

TEST	UNIT	TEST METHOD	TOLERANCE	RESULTS			
Thickness	mm	EN 1849 -1	MDV ± (5%)	3	4	5	6
Width	m	EN 1848 -1	MDV ± (1%)	1			
Length	m	EN 1848 -1	MDV ± (1%)	2			
Softening point (R&B)	°C	ASTM D - 36	≥	150			
TENSILE STRENGHT (MAX)							
Longitudinal	N/5cm	EN 12311 -1	MDV ± (20%)	700	800	900	1000
Transverse	N/5cm	EN 12311 -1	MDV ± (20%)	700	750	750	800
PUNCTURE RESISTANCE							
Resistance to Static Loading	Kg	EN 12730	MLV ≥	10	15	20	20
Resistance to Impact Loading	mm	EN 12691	MLV ≥	700	800	1000	1000
Flow Resistance at Elevated Temperature	°C	EN 1110	MDV - 10	120	120	120	120
DIMENSIONAL STABILITY							
Longitudinal	%	EN 1107 -1	- 0.5	STABLE			
Transverse	%	EN 1107-1	+ 0.5	STABLE			
Water Tightness method A	60 Kpa	EN 1928:2000	PASS	60 KPa			

- INSUTECH reserves the right to modify product specifications due to customer request and/or continuous product development without any prior notice

- This publication revokes any previous one. Issue 1/ ©2016