Al Jazirah Board

Is a rigid extruded polystyrene (XPS) board, Al Jazirah Board – XPS Boards is lightweight with a highcompressive strength and are available in straight or shiplap edges.

Al Jazirah Board – XPS Boards

Is an extruded polystyrene foam insulation's (XPS) numerous benefits make the product one of the most widelyused and trusted in residential and commercial construction throughout the world, Architects, builders, and building occupants can feel confident that all XPS insulation products are safe and have been approved for use by regulatory bodies worldwide.

Application

Al Jazirah Board- XPS Boards can be used for the thermal insulation of:

Flat Roofs:

- In an inverted roof below ballast or paving slabs.
- In a flat roof with a single ply membrane.

Concrete Slabs:

- Around trenches
- In between pods
- Edge beams

Cool Rooms:

- Refrigeration
- Trucks

Compliance

Will contribute to the thermal insulation of buildings and the compliance with the building Code of SaudiArabia (SASO) requirements.

Density: *32-42kg/M3*
Board Size: *1250x600mm*
Thickness: *30, 40, 50, 60, 70, 75, 80 & 100mm*
Edges: *rebated edges. L&A or straight.*
Thermal:
The product has an estimated thermal conductivity of thermal foam – XPS Boards is 0.030W/mK

Performance:

- *Excellent thermal performance*
- *High compressive strength*
- *Highly resistant to water absorption*
- *Lightweight and easy to install*
- *Tough and durable, not easily damaged*
- *Dimensionally stable.*

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Technical Data

S.No	Characteristics	Test Method	UNIT	ND	MD	*HD*
1	Density	ASTM D 1622	Kg/m3 lb/ft3	32-35	35-38	38-42
2	Thermal Conductivity	ASTM C 518	w/mk Btu.in/Ft2 hr °F	0.028-0.030 0.20	0.026-0.028 0.18	0.026-0.028 0.18
3	Compressive Strength (at 10% deflection, min)	ASTM D 1621	KPA Psi	350-414 45-60	480-700 70-100	700 100
4	Water Absorption	ASTM D 2842	% by vol.	0.1	0.1	0.1
5	Water Vapor Permeability	ASTM 355	Perm/inch	1.10 63	1.10 63	1.10 63
6	Dimensional Stability	ASTM D 2126	%	2.0	2.0	2.0
7	Flexural Strength	ASTM C 203	KPA Psi	414 60	517 75	690 100
8	Oxygen Index	ASTM D 2863	Vol., %	24.0	24.0	24.0
9	Flame Spread	ASTM E 84	Rating	>5	>5	>5
10	Smoke Density	ASTM E 84	Rating	=90	=90	=90
11	Flammability class	ASTM E 84	Rating	B1/B2	B1/B2	B1/B2