Glass wool



GlassRock Building Boards

Description

Glass wool building boards are manufactured accodance with ASTM C612 & EN 13162 from fine and stable fibers bonded with thermosetting resin and formed into semi-rigid and rigid boards, they are rot proof and free from shot due to its mineral composition

Application

Used for general thermal, acoustic insulation and fire protection applications such as :

- Walling and partitioning
- Cryogenic & cold boxes
- Generators canopies
- Prefabricated houses and caravans
- Façade and external walls
- Steel structures and hangers
- Poultry farms
- Suspended ceiling
- Automotive industry
- HVAC Duct works

Density in Kg/m³	Dimension in mm		Facing	Thickness in mm
	Length	Width		
32 to 96	1200	600	None, FSK, Vinyl, BGT ASJ, ALUGLASS or BGF	25 to 120







Product Properties

Property	Performance	Standard
Maximum Service Temperature	450°C.	ASTM C411
Recation to fire	A1	EN13501
Combustiblity	Non-combustible	ASTM E 84
Rigidity	Semi- Rigid and Rigid	ASTM C1101
Shot content	Free of shot	ASTM C 612
Fungi Growth	Does not encourage fungi growth	ASTM C 665
Corrosion Effect	Chemically inert	ASTM C 692-77
NRC Value	0.75 to 1.05	ASTM C 423
Moisture absorption	less than 0.2% by volume	ASTM C 533

Thermal Resistance (R Value)
GlassRock building boards nominal thermal resistance confirming to ASTM C518

TH (mm) / D (kg/m³)	THERMAL RESISTANCE (m/ W.K) AT 25°C MEAN TEMPERATURE						
	24	32	36	48	64	80	96
25	0.714	0.758	0.781	0.806	0.781	0.714	0.714
40	1.143	1.212	1.250	1.290	1.250	1.143	1.143
50	1.429	1.515	1.563	1.613	1.563	1.429	1.429
65	1.859	1.970	2.031	2.097	2.031	1.859	1.859
75	2.143	2.273	2.344	2.419	2.344	2.143	2.143
100	2.857	3.030	3.125	3.226	3.125	2.857	2.857



Packaging & Storage:
GlassRock building boards are supplied in shrink wrapped polyethylene and must be stored in the original packaging, protected from the weather and off the ground, in case of getting wet it can be dried and used without changes to its prperties.

Durability:
GlassRock building boards are odourless, nonhygroscopic, rat proof, does not sustain vermin or encourage the fungi growth, mould or bacteria.

Environmental:
GlassRock building boards are free from CFCs, HCFCs and any other material with ozone depletion potential so it's environment friendly product.



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TIBA IMPORT & TRADING

8 Ahmed El-Zomor St. - Nasr City - Cairo
0224735331 0224735348
Mob : 01148448483 - 01156772277
info@tibainsulation.com