# GlassRock Building Boards Property of the control of the control

### **Description**

Glass wool building boards are manufactured from fine and stable glasswool 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**

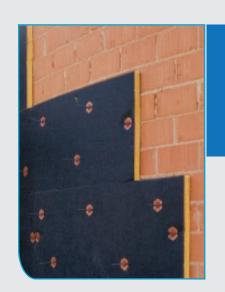
Used for general thermal, acoustic insulation and fire protection applications such as:

- Walling and partitioning
- Cryogenic & cold boxes
- Gen set 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			Thickness in mm	
	Length Width		Facing		
24 to 96	1200	600	None, FSK, Vinyl, BGT ASJ, ALUGLASS or BGF	25 to 100	







# **Product Properties**

Property	Performance	Standard	
Maximum Service Temperature	450°C. Outer foil temperature limited to 100°C	ASTM C411	
Fire retardent	Class 1 / Class O	BS 476 part 6 and 7	
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	
Compressive Strength	PCF AT 10% DEFORMATION 5 PCF AT 25% DEFORMATION 10		
NRC Value	0.75 to 1.24	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 C167

THICKNESS	THERMAL RESISTANCE (m/ W.K) AT 25°C MEAN TEMPERATURE						
(mm)	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.



info@glassrock.com.eg