Rock Wool



GlassRock Wire Mesh Blankets

Description

Rock wool wire mesh bankets are a lightly bonded high density blankets conforming to ASTM C-592 and equivalent BS 3958 Part 3 that manufactured from Mineral rock fibers and stitched to 25 mm hexagonal Galvanized wires mesh or stainless Steel wire mesh.

Application

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

- Chimney and towers
- Exhaust manifold.
- Boilers, ovens and furnaces
- Fire Hazard Zones.
- Out range Piping system
- Steam turbines

Density in Kg/m³	Dimension in mm		Facing	Thickness in mm
	Length	Width		
70 to 130	3000 or 5000	1000	Galvanized wire mesh or Stainless steel	30 to 120





Product Properties

Property	Performance	Standard
Maximum Service Temperature Melting Temperature	750 °C. 1150 °C	ASTM C411
Reaction to Fire	Surface burning characteristics: Flame spread=passed, Smoke Development= passed	ASTM E84
Water absorption	Water repellant Moisture sorption < 1 % by weight	ASTM C1104
Rigidity	Semi- Rigid	ASTM C1101
Shot content	< 25 % by weight	ASTM C 612
Fungi Growth	Does not encourage fungi growth	ASTM C 665
Corrosion Effect	Ph7 or slightly Alkaline	ASTM C 692-77
Compression resistance	> 10 kN/m²	ASTM C 165-07
Chloride Content	Comply with the stainless steel corrosion specification	ASTM C 871-77

Thermal Conductivity

GlassRock wire mesh blankets shows a low thermal conductivity confirming to ASTM C177/C-518

Mean Temp. in °C	K-Value in w/m k				
	D - 70	D - 80	D - 100	D - 120	D - 130
50	0.038	0.038	0.037	0.035	0.033
100	0.046	0.044	0.043	0.042	0.041
150	0.055	0.053	0.051	0.051	0.050
200	0.066	0.063	0.061	0.059	0.058
250	0.080	0.076	0.072	0.071	0.070
300	0.095	0.091	0.087	0.084	0.081
350	0.118	0.110	0.108	0.100	0.094
400	0.134	0.129	0.119	0.110	0.102



Packaging & Storage:

GlassRock wire mesh blankets 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 wire mesh blankets are odourless, nonhygroscopic, rot proof, does not sustain vermin or encourage the fungi growth, mould or bacteria.

Environmental:

GlassRock wire mesh blankets are free from CFCs, HCFCs and any other material with ozone depletion potential so it's environment friendly product.



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