Rock wool



Description

Rock wool blankets insulation are manufactured from molten volcanic basalt rocks and lightly bonded with thermo sitting resin and complying with ASTM C-553 and ASTM C-665.

Application

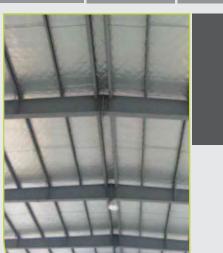
Used for general thermal, acoustic insulation and fire protection applications such as:

- Domestic hot and cold pipes.
- Steel structures and hangers.
- Small diameters Pipes.

- HVAC Duct works.
- Walling and partitioning.
- Prefab. Houses and caravans.
- Boilers, ovens and furnaces.
- Household applications.
- Automotive industry.

Density in Kg/m³	Dimension in mm				
	Length	Width	Facing	Thickness in mm	
35 to 80	6000 8000 12000 15000	1000	None, Kraft Paper, FSK Vinyl, BGT or BGF	30 to 120	







Product Properties

Property	Performance	Standard	
Maximum Service Temperature Melting Temperature	400°C. Outer foil temperature limited to 80°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 Felts shows a low thermal conductivity values confirming to ASTM C177/C-518

Mean Temp.	K-Value in w/m k						
in °C ·	D - 35	D - 40	D - 50	D - 60	D - 70	D - 80	
50	0.040	0.039	0.038	0.038	0.038	0.038	
100	0.049	0.047	0.047	0.046	0.045	0.044	
150	0.059	0.058	0.058	0.056	0.053	0.052	
200	0.078	0.071	0.069	0.067	0.065	0.063	
250	0.095	0.089	0.086	0.081	0.079	0.077	



Packaging & Storage:

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

Environmental:

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

