

Glass Wool Blanket (Felt)

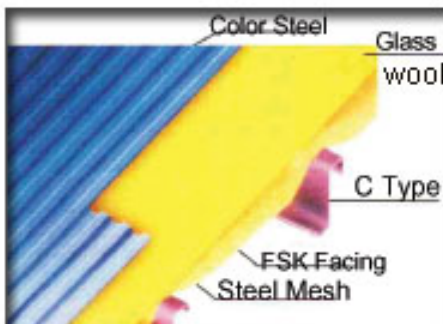
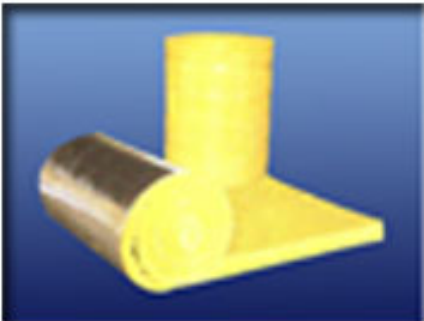
Introduction

Glass Wool Blanket is made from quartz sand, feldspar, sodium silicated and boric acid etc. main raw materials. All raw materials are melted under high temperature and then made into centrifugal glass fiber with diameter less than 7 microns. By adding binder into the glass fiber and various compression values, glass wool blanket with different densities are produced.

Adopting advanced centrifugal blowing process, our glass wool felt is soft, fine, sound absorption, waterproof, and fireproof with excellent resilience rate. It is an ideal solution for heat preservation and sound absorption for metal buildings.

Its benefits as below:

Good heat preservation, Sound absorption, Low constructional cost, Easy to operation, Nontoxicity, fine appearance, good resilience rate after vaccumized packing.



Application

It is widely used in the partition walls, roofs of metal buildings, big pipes, various tanks for heat preservations and sound absorptions. It can be laminated with aluminum foil facing, fiber glass tissue, fiber glass cloth, reinforced PP facing and other thermal insulation facing to enhance the performance of vapor retardant, heat preservation, sound proof etc.

Packing

A. Plastic Bag

B. Vacuumized Package

Sound Absorp.

With same value of KT , thickness of felt is more effective than density, especially below 1000Hz.

Note: K = kg (weight), T = Thickness

Property

Density	Tolerance	Mean Dia. of Fiber	Thermal Conductivity at 70 ⁺⁵ / ₋₂ °C	Shot Content (Dia.>0.25mm)	Fire Resistance	Moisture Content	Shrinking Temperature
Kg/M ³	%	Microns	W/(m.K)	%		%	°C
10	+20 -10	≤ 7	≤ 0.062	≤ 0.2	Incombustible	≤ 1.0	≥ 250
12							
16			≤ 0.058				
20			≤ 0.053				≥ 350
24							
32			≤ 0.048				
48			≤ 0.043				≥ 400

Sound Absorption Coefficient

Product Type	Density (Kg/M ³)	Thickness (mm)	Frequency (Hz)						
			125	250	500	1000	2000	4000	NRC
Bare Blanket	16	25	0.12	0.28	0.73	0.89	0.92	0.93	0.70
Bare Blanket	16	50	0.24	0.77	1.13	1.09	1.04	1.05	1.00
Bare Blanket	16	75	0.43	1.17	1.26	1.09	1.03	1.04	1.15
Bare Blanket	16	100	0.73	1.29	1.22	1.09	1.00	0.29	1.15

Standard Size

Density (Kg/M ³)	10	12	16	20	24	32	40	48
Thickness (mm)	50-150	50-150	35-150	25-150	25-100	25-100	20-100	20-80
Width (M)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

Note:

If non-standard thickness and width is needed, please contact us.

The roll length can be made up to 30 meters depends on the thickness and density.

Glass Wool can be faced with various facing based on order.