

GLASSWOOL

Forte Glass wool is a kind of glass fiber and a kind of artificial inorganic wool. Adopting such natural ores as quartz sand, limestone, etc. as the main ingredients and then coordinating with some chemical materials such as soda ash and borax, etc, the glass is hence melted. Under the melting condition, floccular fibril is made via external force and blow. The fly-over crossing is taken on between fibers and then they are intertwined. Thus many fine gaps are showed out. These gaps can be regarded as pore spaces. Therefore, the glass wool can be taken on as porous material with excellent thermal insulation and sound absorption performance.

The materials can be cut at random according to the construction requirement. It is mainly used on the following aspects: rooms of buildings, sound reduction system, mean of communication, refrigeration equipments, damping, and sound absorption and noise reduction of domestic electric appliance, which has a satisfactory effect.

Forte glass wool felt with aluminum foil on the surface has the effect of heat radiation hardening, a lining material mainly used in high-temperature workshops, control room, inner wall of computer lab, isolated room and flat top.

BENEFITS OF GLASSWOOL

- ✓ Sound proof and reduce noise
- ✓ Not easy to burn
- ✓ Elastic and easy to shape and cut
- ✓ Last long of usage
- ✓ Maintain room temperature and coolness



TECHNICAL SPESIFICATION

Item	Unit	Index	The measured figure	Remarks
Volume Weight	Kg/m3	10-96	10-96	GB/T13350-2000
Average fiber diameter	mm	<8.0	4.0-6.0	GB/T 13350-2000
Hydrophobic	%	>98	>98.5	JISA9512-2000
Heat Conduct Coefficient	W/m-K	0.049-0.042	0.045-0.032	GB/T13350-2000
Incombustibility		Incombustible	Qualified (Grade A)	GB/T13350-2000
Heat Absorption Coefficient			1.03 product reverberation method	GB/J47-83
			24kg/m32000Hz	
Highest Usage Temperature	°C	400	410	GB/T13350-2000

AVAILABLE GLASSWOOL SIZE

Type	Thickness (inch)	Density kg/m3	Standard (m) Width	Length	Weight kg/m2	Weight Rol
1625	1	16	1,2	30	0,4	14,4
1625 Foil	1	16	1,2	30	0,4	15,5
1650	2	16	1,2	15	0,8	14,4
1650 Foil	2	16	1,2	15	0,8	15,5
2425	1	24	1,2	30	0,6	21,6
2450	2	24	1,2	15	1,2	21,6
3225	1	32	1,2	30	0,8	28,8
3250	2	32	1,2	15	1,6	28,8