Harmony
FIRE SAFETY, ENERGY SAVING

Glass Wool Board

Product Data Sheet

Product Description

Glass wool Board is made by advanced centrifugal technology, fibering molten glass and curing it with an eco-friendly binder. It has excellent properties like light weight, thermal insulation, and sound absorption.

Its great performance comes from its unique structure: extremely fine and numerous glass fibers form many micropores. These pores strongly resist air flow, making air almost still and reducing convective heat transfer. Since still air is highly insulating, the glass wool insulates well.

For sound absorption, the principle is similar: the open-cell surface allows most sound in. The high air flow resistance quickly dampens sound vibrations, converting sound energy to heat and absorbing it, resulting in good sound absorption.

Provides a lightweight thermal insulation solution for various equipment and facilities, suitable for thermal insulation of electrostatic dust removal, medical and testing equipment, etc., with good sound absorption and noise reduction functions.

Features

- Excellent cold and heat protection effect from ultra-low temperature to standard temperature range .
- Minimum operating temperature as low as -165°C .
- High resilience effectively saves logistics costs .
- Flexibly applicable to various special-shaped components .
- Excellent corrosion resistance: The product is alkaline with a pH value of 7.5~10.0, and will not cause corrosion to metal materials.
- Strong material resilience: It can restore its normal thickness after the release of normal negative pressure.
- Good thermal insulation and sound absorption & insulation performance.
- Lightweight material: Easy to cut and convenient to install.

Main Performance

Item	JHY-HB38	JHY-HB48	JHY-BG32	JHY-BG48
Density, kg/m^3	38	48	32	48
Thermal Conductivity λ W/(m·k)	0.033	0.033	0.034	0.033
Slag Ball Content, %	0	0	≥98	≥98
Corrosion Resistance	Passed chloride ion leakage test	Passed chloride ion leakage test	0	0
Combustion Grade	A1	A1	A1	A1
Maximum Service Temperature, °C	550	550	250	250

Note: The above data are representative averages measured according to general test methods and may vary with normal production fluctuations. These data are provided as a technical service and may be adjusted occasionally.