



Rock Wool Board

Product Data Sheet

Product Description

Rock Wool board (also known as Mineral Wool board) is a rigid thermal insulation and fireproof material. It is manufactured using natural basalt, diabase, or other volcanic rock as the main raw material, Melted at 1500°C-1600°C and combined with trace inorganic binders, it forms a material integrating thermal insulation, sound insulation, and fireproof functions.

Unlike flexible glass wool board (low rigidity) and high-temperature refractory fiber boards (extreme temperature focus), it features a balanced combination of medium-high temperature resistance, mechanical rigidity, and fireproof performance. The product has a flat surface, uniform density, and precise dimensions, serving as a core insulation material in industrial, building, and equipment scenarios requiring integrated fire protection, thermal insulation, and structural support.

Features

- Excellent thermal insulation performance, high efficiency and energy saving
- High acidity coefficient ensures durable weather resistance and does not corrode metals
- Excellent mechanical strength performance, with a long service life
- Incombustible materials
- Maximum service temperature up to 800°C .

Main Performance

Item	JYX-TB80	JYX-TB100	JYX-TB120
Density, kg/m ³	80	100	120
Acidity Coefficient	≥2.0	≥2.0	≥2.0
Slag Ball Content (%)	≤5.0	≤5.0	≤5.0
Maximum Service Temperature (%)	650	750	800
Hot Load Shrinkage Temperature (%)	600	650	680
Boiling Water Resistance Test	Passed	Passed	Passed
Combustion Performance Grade	A1	A1	A1
Water Repellency (%)	99.5	99.5	99.5
Mass Moisture Absorption (%)	≤1	≤1	≤1