

HUAYUE® Rock Wool Board

Premium Grade Inorganic Basalt Insulation

1. Product characteristic

HUAYUE® Rock Wool Board is made from basalt, an inorganic raw material. It is produced through heating basalt at 1350°C - 1400°C and transforming it into fibers, which are bonded together using a thermosetting resin. It is light and easy to install, mainly used for thermal and acoustic insulation where high compressive strength is required such as over-deck, floors, sandwich panels, and dry wall partitions.

HUAYUE® rock wool is mainly supplied in forms of board, blanket and pipe, as well as different facing FSK, foil, wire mesh, steel wire are available.

Thanks to manufacturing by fully automatic rock wool production systems which is employed latest-generation technology, HUAYUE® rock wool production capacity over 150,000 tons/year.

2. Available Sizes

Thickness (mm)	Width (mm)	Length (mm)	m ² /Piece
30-200	400	1200	0.48
30-200	600	1000	0.60
30-200	600	1200	0.72
30-200	1200	1200	1.44
30-200	1200	2000	2.40
30-200	1200	2400	2.88

Note: Standard Size 1.2m×0.6m, other sizes can be customized.

3. Physical Properties

PROPERTY	PERFORMANCE	TEST STANDARD
Density	40kg/m ³ -200kg/m ³	ASTM C303
Thermal Conductivity	0.033-0.039 (W/m·K) (24°C)	ASTM C518/C177
Maximum Use Temperature	750°C	ASTM C411/C447
Surface Burning Characteristics	Flame Spread Index: 0 Smoke Developed Index: 0	ASTM E84

Combustibility	Behaviour of Materials at 750°C - Non Combustible	ASTM E136
Water Vapor Sorption	<0.5%	ASTM C1104/1104M
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed	ASTM C795/C665
Fungi Resistance	Mildew Proof	ASTM C1338
Odor Emission	No Objectionable and Strong Odor	ASTM C1304
Environment & Health	Asbestos-free	HJ/T206, ISO 22262-1, NIOSH 9002
Melting Temperature	>1000°C	DIN4102-17

4. Performance Advantages

- Very economical, increasing the energy efficiency of the building
- Excellent thermal resistance
- Non-combustible, flame retardant, waterproof, soundproof
- Attractive appearance
- Resistant to ageing
- Light weight and easy to handle and install
- Good sound absorption, no corrosion
- Energy saving, no harm to human and environment protection
- Durable for a lifetime

5. Application

HUAYUA® Rock Wool Insulation Board is applicable in various constructions, including wall, partitions, floors and roofs, including separating walls and floors, framed external walls, internal partitions, timber suspended ground floors and pitched roofs.



6. Package

Packing Material: Hot Shrink PE Bags, pallet package available.

Brand: HUAYUE INSULATION or Authorized OEM.

7. Storage

The material should be stored in a clean and dry place in a normal room, with a relative humidity of 50% to 70% and an ambient temperature of 0°C to 35°C.

