



VYINS-MW

Mineral Wool Insulation Board

DESCRIPTION

VYINS-MW is a high-performance mineral wool insulation board designed for use in building envelope systems. Made from natural minerals, this product provides exceptional thermal and acoustic insulation, combined with fire resistance. VYINS-MW is suitable for use in a variety of applications, including roofing, walls, and floors in both residential and commercial buildings.

BENEFITS

- **Excellent Thermal Insulation:** Provides superior heat retention and energy savings.
- **Fire Resistant:** Non-combustible material, suitable for high fire-rated constructions.
- **Acoustic Performance:** Effective sound absorption, enhancing noise control in buildings.
- **Moisture Resistant:** Resistant to water absorption and does not support mold growth.
- **Environmentally Friendly:** Made from natural, sustainable materials.

APPLICATIONS

- **Roofing:** Suitable for use as a thermal and acoustic insulator in flat and pitched roofs.
- **Walls:** Used in external and internal wall cavities to provide fire resistance and thermal insulation.
- **Floors:** Ideal for floor applications in both commercial and residential projects.
- **Ceilings:** Applied as an acoustic treatment in suspended ceiling systems.
- **Industrial Applications:** Provides thermal insulation in industrial settings where high temperatures are prevalent.

INSTALLATION

- **Surface Preparation:** Ensure all surfaces are clean, dry, and free from dust, oil, and other contaminants.
- **Cutting:** Boards can be easily cut using a handsaw or utility knife to fit the required space.
- **Placement:** Lay the boards between or over studs, rafters, or beams. They should fit tightly but without force.
- **Sealing:** Use suitable adhesives or mechanical fasteners if required for securing the boards in place.
- **Safety:** Wear protective gloves and masks during installation to avoid irritation from airborne fibers.

STORAGE & SHELF LIFE

- **Storage Conditions:** Store in a dry, well-ventilated area to avoid exposure to moisture.
- **Packaging:** The boards are typically packaged in shrink-wrapped plastic for protection. Ensure the packaging remains intact until the boards are ready for use.
- **Shelf Life:** No specific shelf life, as long as the product is stored properly.



DIMENSIONS & PACKAGING

Parameter	Value
Component	Basalt, dolomite, etc
Form	Tasteless elastic block
Color	Pale yellow or cinerous
Density	60~200kg/m ³
Thickness	Rolls
Length	1200 mm
Width	600 mm

TECHNICAL DATA

Property	Value				Test Method
Density, kg/m ³	60~140	140~160	160~180	200	/
Declared thermal conductivity at 20°C, W/mK	≤ 0.034	≤ 0.037	≤ 0.040	≤ 0.042	ASTM C518
Long term immersion, kg/m ²	< 3				EN 12087
Water absorption during short term(WS), kg/m ²	< 1				EN 1609
Reaction to fire	A1				EN 13501-1
Compressive stress at 10% deformation, kPa	-	-	CS(10)60	CS(10)65	EN 826
Tensile strength perpendicular to faces, kPa	-	-	TR15	TR15	EN 1607
Point load, N	-	-	PL(5)700	PL(5)750	EN 12430