VYKOL

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.

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DIMENSIONS & PACKAGING

Parameter	Value
Component	Basalt, dolomite, etc
Form	Tasteless elastic block
Color	Pale yellow or cinerous
Density	60~200 kg/m^3
Thickness	30~100 mm
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