VYKOL

VYINS-GW

Glass Wool Insulation Roll

DESCRIPTION

VYINS-GW is a high-performance glass wool insulation roll designed for a variety of thermal, acoustic, and fire-resistant applications in building envelope systems. Manufactured from recycled glass, this product offers superior insulation properties and is ideal for use in commercial and residential buildings. It is lightweight, non-combustible, and resistant to moisture and mold growth.

BENEFITS

- Superior Thermal Insulation: Provides effective thermal insulation with low thermal conductivity.
- Fire Resistant: Non-combustible and provides excellent fire safety.
- Sound Absorption: Efficient in reducing noise and providing acoustic insulation.
- Lightweight: Easy to handle and install.
- Moisture Resistant: Does not absorb moisture, preventing mold growth.
- Sustainable: Made from recycled glass, contributing to environmental sustainability.

APPLICATIONS

- Roofing: Suitable for insulating both flat and pitched roofs.
- Wall Insulation: Ideal for cavity walls, external walls, and partition walls.
- Floors: Used in floor construction, particularly in residential and commercial buildings.
- Ceiling Insulation: Provides acoustic insulation in suspended ceiling systems.
- Industrial: Applied in industrial insulation for HVAC and pipe systems.

INSTALLATION

- Surface Preparation: Ensure surfaces are clean and free from dust, dirt, or contaminants.
- Cutting: Use a sharp utility knife or handsaw to cut the rolls to fit the required area.
- Placement: Install rolls between rafters, studs, or beams, ensuring a snug fit without compression.
- Sealing: For a tight seal, use appropriate adhesives or mechanical fasteners where necessary.
- Safety: Protective gloves, masks, and eyewear are recommended during installation to avoid irritation from fibers.

STORAGE & SHELF LIFE

- Storage Conditions: Store in a dry, cool, and well-ventilated area, away from direct sunlight and moisture.
- Packaging: The boards are typically packaged in plastic wrap for protection.
- Shelf Life: The product does not have a specific shelf life, provided it is stored under proper conditions.

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DIMENSIONS & PACKAGING

Parameter	Value
Dimension, Length*Width*Thickness	1.27m*30.48m*2" 1.27m*24.38m*2.5" 1.27m*21.34m*3" 1.27m*18.29m*3.5" 1.27m*16.77m*4" 1.27m*13.72m*5"

TECHNICAL DATA

Property	Value	Test Method
Nominal volumetric weight, kg/m3	12	-
Declared thermal conductivity at 25 °C, W/m*K	≤ 0.050	EN 12667
Average fiber diameter	≤ 7.0μm	-
Combustion performance level	Class A2 (entire product with facer)	EN 13501-1
Thermal resistance, Value R, oF·ft2·h/BTU (Thickness) - 2" - 2.5" - 3" - 3.5" - 4" - 5"	 7.0 8.0 10.0 11.0 13.0 16.0	ASTM C177/C518