

Knauf Board Insulation

Product Description

Knauf Board Insulation is mineral wool bonded with ECOSE Technology. The products listed are manufactured single layer. Knauf Board Insulation is used as thermal and acoustical insulation for HVAC, drywalls, ceilings, buildup metal walls and light steel from walls applications to 230°C (446°F).

ECOSE® Technology

ECOSE® Technology is a revolutionary binder chemistry that makes Knauf Insulation products even more sustainable than ever. It features rapidly renewable bio-based materials rather than nonrenewable petroleum-based chemicals traditionally used in glass mineral wool insulation products. ECOSE® Technology reduces binder embodied energy and does not contain phenol, formaldehyde, acrylics or artificial colors.

Applications

- ☐ HVAC, Drywalls and Ceilings
- ☐ Built Up Metal Walls
- ☐ Curtain Walls
- ☐ Masonry Cavity Walls
- ☐ Light Steel Frame Walls
- ☐ Soffits

Specification Compliance

ASTM C 612, Type 1A, Type 1B

Product Details

Density (kg/m ³)	Thickness (mm)	Facing Type	Length (m)	Width (m)
64	25	FSK	1	1.2

Packaging

Shrink film packed

Technical Data

Thermal Conductivity (ASTM C518)	0.033 W/mK at 25 °C mean temperature
Thermal Resistance (ASTM C518)	0.757 m ² K/W
NRC (ASTM C 423, Type A Mounting)	0.8
Surface Burning Characteristics (ASTM E84, UL 723)	Flame Spread Index <25, Smoke Developed Index <50
Maximum Use Temperature (ASTM C411)	230°C (446°F)
Compressive Strength (ASTM C 165)	Unique product not assessed for this feature.
Permanence Rating	0.05%
Corrosiveness to Steel Index (ASTM C665)	Does not accelerate corrosion on steel, copper, aluminum.
Odor Emission (ASTM C1304)	No perceptible odor present.
Fungi or mold growth (ASTM C 1338)	Does not sustain growth of fungi or mold.

Knauf Exeed Insulation is Certified to
DCL

EUCEB - Non Classified Fibers

ASTM E84

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

Eurofins Indoor Air Quality - Gold

Legal Notice

Knauf Insulation products with ECOSE Technology represent typical average values determined in accordance with accepted test methods. The data is subject to normal manufacturing and testing variations. The data is supplied as a technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. When condensation is permitted to occur between nested Knauf Insulation products and galvanized steel panels, discoloration of the metal may occur. Check with your Knauf Insulation sales representative to assure information is current.

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