



GLASSWOOL BLANKET

PRODUCT DESCRIPTION Glasswool blanket is lightweight, flexible and resilient, providing thermal insulation performance with the added benefit of being an effective sound absorption medium. Glasswool is available in two nominal thicknesses (50mm and 75mm), providing R1.2 and R1.8 values where certifiable thermal performance is required.

Glasswool blanket is also available with a sisalation barrier where condensation prevention is required.

TECHNICAL INFORMATION **Thermal Resistance (R)**

It is both appropriate and convenient to measure insulation materials performance directly in terms of material's thermal resistance, which is obtained by dividing thickness (T) expressed in meters by thermal conductivity (λ) expressed in W/m.k:

$$R = \frac{T}{\lambda}$$

T (0.050)
R = ----
 λ (0.041)

It is expressed as m² .K/W
Therefore
50mm R value of 1.2 (m² k/w)
75mm R value of 1.8 (m² k/w)

Glasswool against cold and heat

One of the best thermal insulating materials is motionless air. In order to immobilize the air, it is necessary to confine it either in cells or in a network of the finest possible fibres. This is what is obtained with glass wool which is made of 1% glass and 99% air.

Glasswool against noise

Due to its tiny network of tightly intermingled elastic fibres, the glass wool is both the best absorbent of noise inside a room and the best insulation material against the propagation of noise from one room into another.

Glasswool against fire

All the raw materials, with the exception of the binder, used in manufacturing fiber products are non-combustible. In most fiber products the binder content is, however, so low that the material is classified as non combustible.



Consolidated Alloys

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BENEFITS Energy savings should not overshadow all the other benefits given by thermal insulation.

Winter Comfort

Insulation improves comfort by increasing the temperature of the inner roof surface. With the elimination of cold radiation all the room area can be fully utilized. The building will warm up from cold more quickly.

Summer Comfort

A well insulated and ventilated building is cooler during summer without air-conditioning. But even with air-conditioning, insulation is indispensable, knowing that chilled air is far more expensive than warmed air.

INSTALLATION

Install Glasswool blanket in a dry state.

Where cutting is required use a sharp knife and straight edge, cutting with power tools is not recommended.

Butt blanket firmly on end and side joins. Fit tightly around roof protrusions and fill gaps with off-cuts to avoid heat leakages.

Care should be taken not to cover electrical wiring with insulation material.

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