

SPACE INSULATION

PRODUCT DATASHEET



Space Blanket

Description

Space Blanket is a premium range of 'encapsulated' glass mineral wool products for use between ceiling joists or on top of existing insulation. The sleeved encapsulation is a part metallised polythene film that reflects heat and makes them extra easy and comfortable to install. They are also 'compression packed' for less handling and expand when unrolled.

Application

Space Blanket is used for the thermal insulation of pitched roofs at ceiling level. Space Blanket is usually laid in two layers, with the first layer between the joists and the second layer at right angles to and over the joists, except Space Blanket Kingsize which is used only as the second layer over the joists.

Standards

Space Blanket is manufactured in accordance with BS EN 13162, EN16001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Performance

Thermal

The Space Blanket product range has a thermal conductivity of 0.044W/mK

Fire

The mineral wool content of Space Blanket is classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

- Easy to handle and encapsulated for more comfortable installation
- Can be laid on top of existing insulation
- Greatly improves the thermal efficiency of your home
- Could pay for itself in under 2 years from energy savings*

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Environmental

Space Blanket represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. The carbon emitted during manufacture of Space Blanket CarbonZero is offset and financial support is provided for carbon reduction initiatives.

Durability

Space Blanket is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

The mineral wool content of Space Blanket has a water vapour resistivity of 5.00MN.s.g.m. The encapsulating, metallised polythene is perforated and offers negligible resistance to the passage of water vapour, it is installed silver side facing up.

Handling and storage

Space Blanket is easy to handle and install, being lightweight and easily cut to size, where necessary. Space Blanket should be stored either indoors, or under cover and off the ground. Space Blanket should not be left permanently exposed to the elements.

Product Data

Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Length (m)	Width (mm)	Area per roll (m ²)
Space Blanket					
200	0.044	4.50	4.00	370	1.48
150	0.044	3.40	5.33	370	1.97
100	0.044	2.25	8.00	370	2.96
Space Blanket CarbonZero					
170	0.044	3.85	4.70	370	1.74
Space Blanket Wide					
170	0.044	3.85	4.70	600	2.82
Space Blanket Kingsize					
200	0.044	4.50	4.00	1140	4.56

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KNAUFINSULATION
its time to save energy

SPACE INSULATION

ECOSE® Technology

Knauf Insulation mineral wool products with ECOSE Technology are made with a formaldehyde-free binder derived from rapidly renewable materials, instead of traditional petro-based chemicals used in other insulation. ECOSE Technology is up to 70% less energy intensive than traditional binders. Complementing the new sustainability benefits, the patented ECOSE Technology also produces a 'super-soft' and easier to handle wool. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.



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