

SPACE INSULATION

PRODUCT DATASHEET



Space Blanket Range

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 polyethene film that reflects heat and makes them extra easy and comfortable to install. They are also 'compression packed' for less handling - expanding 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

The mineral wool content of Space Blanket is non-combustible, inorganic glass wool, defined as mineral wool in BS 3533: 1981, and is Euroclass A1 to BS EN 13501-1. Space Blanket is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000 and Product Standard EN 13162.

Performance

Thermal

Space Blanket has a thermal conductivity of 0.044 W/mK

Space Blanket Ultra has a thermal conductivity of 0.043 W/mK

Fire

The mineral wool content of Space Blanket is classified as Euroclass A1

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*

Environmental

Space Blanket is free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represents no known threat to the environment. **Space Blanket's manufacture has a very low impact on the environment and is classified as Zero ODP and Zero GWP.**

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 vapour resistivity of 7.00 MN.s.g.m. The encapsulating, metallised polythene is perforated providing negligible resistance to moisture vapour and 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.

Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Length (m)	Width (mm)	Area per roll (m ²)
Space Blanket Kingsize					
200	0.044	4.50	4.00	1140	4.56
Space Blanket Kingsize Ultra					
170	0.043	3.95	4.83	1140	5.50
Space Blanket Wide					
170	0.044	3.85	4.70	600	2.82
Space Blanket Ultra					
200	0.043	4.65	4.05	370	1.50
Space Blanket CarbonZero					
170	0.044	3.85	4.70	370	1.74
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

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its time to save energy

SPACE INSULATION

ECOSE® Technology

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based emicals which is up to 70% less energy intensive. 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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