

SPACE INSULATION

PRODUCT DATASHEET



Space Loft Roll

Description

Space Loft Roll is a flexible glass mineral wool quilt which is lightweight, flexible, resilient and non-combustible. The rolls are 1140mm wide and partially perforated to produce either 2 rolls 570mm wide or 3 rolls 380mm wide.

Application

Space Loft Roll is primarily used for the thermal insulation of pitched roofs at ceiling level. However, it can also be used to thermally insulate floors and partitions, or wherever a lightweight mineral wool quilt is required. When used to insulate at ceiling level it 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.

Standards

Space Loft Roll is a non-combustible inorganic glass wool, defined as mineral wool in BS 3533: 1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000. Space Loft Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

Performance

Thermal

Space Loft Roll has a thermal conductivity of 0.044 W/mK

Fire

Space Loft Roll is classified as Euroclass A1 to BS EN ISO 13501-1

Benefits

- Lightweight and economic insulation quilt
- Produced for use with timber joists at 400mm and 600mm centres
- Partially cut perforations
- Provides thermal, acoustic and fire performance
- Could pay for itself in under 2 years from energy savings*

Environmental

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

Durability

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

Vapour resistivity

Space Loft Roll has a vapour resistivity of 7.00 MN.s.g.m.

Handling and storage

Space Loft Roll is easy to handle and install, being lightweight and easily cut to size. It is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should be stored either indoors, or under cover and off the ground. Installation instructions are on every pack. Space Loft Roll 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 Loft Roll					
170	0.044	3.85	7.03	1140/2x570/3x380	8.01
100	0.044	2.25	12.18	1140/2x570/3x380	13.89

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.

