

SPACE INSULATION

PRODUCT DATASHEET



Space Loft Roll

Description

Space Loft Rolls are flexible glass mineral wool quilts which are 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 Rolls are primarily used for the thermal insulation of pitched roofs at ceiling level. However, they 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 they are 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 manufactured in accordance with BS EN 13162, EN 16001 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

Space Loft Rolls have a thermal conductivity of 0.044W/mK

Fire

Space Loft Rolls are 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 Rolls represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential. The carbon emitted during manufacture of Space CarbonZero Loft Roll is offset and financial support is provided for carbon reduction initiatives.

Durability

Space Loft Rolls are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

Space Loft Rolls have a water vapour resistivity of 5.00MN.s.g.m.

Handling and storage

Space Loft Rolls are easy to handle and install, being lightweight and easily cut to size. They are supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the products should be stored either indoors, or under cover and off the ground. Space Loft Rolls 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 CarbonZero Loft Roll					
200	0.044	4.50	5.20	1140/2x570/3x380	5.93
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 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.

