

# SPACE INSULATION

## Product Data



## Rafter Roll

### Description

Rafter Roll is a semi-rigid roll of glass mineral wool with extra high thermal performance.

### Application

Rafter Roll is for insulating between the rafters of pitched roofs in both new build and existing buildings. It is easy to cut and friction fit between rafters.

When installing Rafter Roll it is necessary to add a separate vapour control layer on the warm side of the insulation. In accordance with Building Regulation requirements, a 50mm ventilation path must be preserved behind the insulation where the underlay has high thermal resistance, for example traditional roofing felt.

Rafter Roll can be used either as a single or double layer between rafters, or as the first layer of a two layer system in combination with Polyfoam Linerboard.

### Standards

Rafter 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. Rafter Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

### Product Data

Thickness	Thermal conductivity	Thermal resistance	Length	Width	Area per roll
(mm)	(W/mK)	(m <sup>2</sup> K/W)	(m)	(mm)	(m <sup>2</sup> /roll)
100	0.032	3.10	4.00	1200	4.80
85	0.032	2.65	4.60	1200	5.52
75	0.032	2.30	5.25	1200	6.30

All dimensions are nominal

### Performance

#### Thermal

Rafter Roll has a thermal conductivity of 0.032 W/mK.

#### Fire

Rafter Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

#### Acoustics

Rafter Roll has excellent sound absorption characteristics.

### Benefits

- Very high thermal performance
- Combines thermal and acoustic performance
- Quick and easy installation
- Friction fitting allows rafter spacing to be completely filled
- Longer roll lengths

# SPACE INSULATION

## Durability

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

## Environmental

Rafter 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.

**Rafter Roll's manufacture has a very low impact on the environment and is classified as Zero ODP and Zero GWP.**

## Vapour resistivity

Rafter Roll allows water vapour to pass freely through it, therefore allowing the construction element to breathe.

## Handling and storage

Rafter 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 either be stored indoors, or under cover and off the ground. Installation instructions are on every pack.

Rafter Roll should not be left permanently exposed to the elements.

## 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 chemicals 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.

[thinkinsulation.com](http://thinkinsulation.com)

Ref: SPD117909 Tel: 08700 619916 [www.space-insulation.com](http://www.space-insulation.com)

**KNAUF INSULATION**  
*it's time to save energy*

with **ECOSE®**  
TECHNOLOGY

