



## Crown Rafter Roll 32

### Description

Crown Rafter Roll 32 is an unfaced, semi-rigid roll of glass mineral wool with extra high thermal performance.

### Application

Crown Rafter Roll 32 is for insulating between the rafters of pitched roofs of both new build and existing buildings. It is easy to cut and friction fit between rafters.

As Crown Rafter Roll 32 is unfaced, 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.

Crown Rafter Roll 32 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.

### 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
65	0.032	2.00	6.10	1200	7.32
50	0.032	1.55	7.90	1200	9.48

All dimensions are nominal

### Performance

#### Thermal

Crown Rafter Roll 32 has a thermal conductivity of 0.032 W/mK.

#### Fire

Crown Rafter Roll 32 is classified as Euroclass A1 to BS EN ISO 13501-1.

#### Acoustics

Crown Rafter Roll 32 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, thus eliminating air gap
- Longer roll lengths



### Standards

Crown Rafter Roll 32 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.

### Durability

Crown Rafter Roll 32 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

### Environmental

Crown Rafter Roll 32 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.

**Crown Rafter Roll 32's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

### Vapour Resistivity

Crown Rafter Roll 32 allows water vapour to pass freely through it, therefore allowing the construction element to breathe.

Crown Rafter Roll 32 is unfaced, making it necessary to install a separate vapour control layer.

### Handling and Storage

Crown Rafter Roll 32 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.

Crown Rafter Roll 32 should not be left permanently exposed to the elements.

Knauf Insulation Ltd  
PO Box 10, Stafford Road,  
St Helens, Merseyside,  
WA10 3NS

For more information please refer to  
[www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)

Ref: CD87807

Customer Service (Sales) Tel: 0844 800 0135  
Technical Advisory Centre Tel: 01744 766666  
Literature Tel: 08700 668660  
[www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)

