



Crown CarbonZero Loft Roll

Description

Crown CarbonZero Loft Roll is a flexible, shot-free, unfaced, low density 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.

Product Data

| Thickness (mm) | Thermal conductivity (W/mK) | Thermal resistance (m ² K/W) | Length (m) | Width (mm) | Area per pack (m ²) |
|---|--------------------------------|--|---------------|----------------------|------------------------------------|
| Crown CarbonZero Loft Roll (Combi-cut) | | | | | |
| 200 | 0.044 | 4.50 | 5.20 | 1140/2 x 570/3 x 380 | 5.93 |
| 170 | 0.044 | 3.85 | 7.03 | 1140/2 x 570/3 x 380 | 8.01 |
| 150 | 0.044 | 3.40 | 8.05 | 1140/2 x 570/3 x 380 | 9.18 |
| 100 | 0.044 | 2.25 | 12.18 | 1140/2 x 570/3 x 380 | 13.89 |

All dimensions are nominal

Performance

Thermal

Crown CarbonZero Loft Roll has a thermal conductivity of 0.044 W/mK.

Fire

Crown CarbonZero 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
- Combines thermal, acoustic and fire performance
- Manufacturing emissions offset by financial support for carbon reduction initiatives



Application

Crown CarbonZero 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 the joists.

Standards

Crown CarbonZero 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.

Durability

Crown CarbonZero 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

Crown CarbonZero Loft Roll offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00 MN.s.g.m.

Environmental

Crown CarbonZero Loft Roll is the first "carbon neutral" loft insulation product available in the UK. To offset the carbon emitted during manufacture, financial support is provided for carbon reduction initiatives such as renewable energy and re-forestation.

Crown CarbonZero 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.

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

Handling and Storage

Crown CarbonZero Loft Roll is easy to handle and install, being lightweight and easily cut to size.

It is supplied in polythene packs which is 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.

Crown CarbonZero Loft Roll should not be left permanently exposed to the elements.

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