

CEILING ROLLS (COMBI-CUT)

July 2018

APPLICATIONS



DESCRIPTION

Ceiling Rolls (Combi-cut) are Glass Mineral Wool rolls that have a Euroclass A1 non-combustible reaction to fire rating and are manufactured using our revolutionary ECOSE® technology.

Combi-cut rolls have partially cut perforations, allowing ease of separation so that each roll can be used in joists at 760mm centres (by using 1 x 800mm or 2 x 400mm widths) or split in half to be used in 600mm joist centres. They can also be used unsplit as full 1200mm widths.

Our advanced compression packaging technology ensures more insulation per pack, saving on transportation, storage space and reducing the amount of handling.

PERFORMANCE

Thermal

R-value: 1.25 to 3.38 m²K/W

Fire Classification:

In accordance with SANS 428:2012:
EUROCLASS A1 to BS EN 13501-1.
A / A1 / 1
SANS 10177-5 A - Non Combustible
SANS 10177 -10 A1 - No flame spread

Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS

- ✓ Non-combustible
- ✓ Partially cut rolls for use with:
 - joists at 760mm centres or;
 - joists at 600mm centres
 - unsplit as a full width roll
- ✓ Lightweight quilt for ease of installation
- ✓ Economical packs for less storage and handling
- ✓ Manufactured with ECOSE® Technology for improved handling and installation.

SPECIFICATIONS

Thickness (mm)	R-value (m ² K/W)		Length (m)	Width (mm)	Area per pack (m ²)	NRC
135	3.38*		7.50	1200mm (800 + 400mm or 2 x 600mm)	9.00	1.13
100	2.50*		10.10	1200mm (800 + 400mm or 2 x 600mm)	12.12	1.04
75	1.88*		12.80	1200mm (800 + 400mm or 2 x 600mm)	15.36	0.93
50	1.25*		19.00	1200mm (800 + 400mm or 2 x 600mm)	22.80	0.81

*products designed to meet the requirements of thermal legislation of South African climate zones

 South African R-values calculated assuming 23°C mean temperature.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

Ceiling Rolls (Combi-cut) are odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Ceiling Rolls (Combi-cut) are primarily used for the thermal insulation of pitched roofs at ceiling level. When used at ceiling level it is usually laid in one or two layers, with the first layer between the joists and the second layer over and at right angles to the joists.

Standards

Ceiling Rolls (Combi-cut) are manufactured in factories that are certified by Bureau Veritas to the following management system standards: EN 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems. These factories also produce materials compliant with the European product standard for insulation materials EN 13162.

Environmental

Ceiling Rolls (Combi-cut) represent no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Vapour resistivity

Ceiling Rolls (Combi-cut) offer negligible resistance to the passage of water vapour and has a vapour resistivity of 5.00MN/g.m.

Handling and storage

Ceiling Roll is easy to handle and install, being lightweight and easy to separate into either 800 + 400mm or 2 x 600mm widths. 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. Ceiling Roll should not be left permanently exposed to the elements.



Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. 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.

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