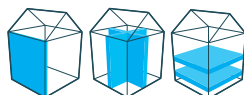


CAVITY ROLL

October 2021



APPLICATIONS



DESCRIPTION

Knauf Insulations cavity roll is a Glass Mineral Wool roll for use in drywall partitioning. It is conveniently packaged as two separate ready-cut 600mm wide rolls suitable for friction-fit installation in residential or commercial applications within timber or metal frame systems. The product also provides R-values recognised in South Africa.

PERFORMANCE

Thermal

R-value: 1.34 to 2.70 m²K/W

Fire

Classification: Euroclass A1 to BS EN 13501-1.



Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m.

BENEFITS

- ✓ Lightweight, easy to install quickly
- ✓ Dimensions to suit studs and joists at 600mm centres
- ✓ Long roll lengths for quick and economic installation
- ✓ Friction fits between studs, ensuring continuity of the absorbent layer with no air gaps
- ✓ High level of thermal performance
- ✓ Non-combustible Euroclass A1 Reaction to Fire Classification

SPECIFICATIONS

Thickness (mm)	R-value (m ² K/W)		R-value (m ² K/W)		Length (m)	Width (mm)	Area per pack (m ²)	NRC	Product code
100	2.63		2.70		7.50	1200 (2x600)	9.00	1	595698
63	1.65		1.70		12.00	1200 (2x600)	14.40	0.85e	592813
51	1.34		1.35		14.00	1200 (2x600)	16.80	0.77e	592787

All dimensions are nominal



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



Euro R-values based on 10°C mean temperature, calculated according to requirements of EN ISO 9001 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

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

Application

Cavity Roll is specifically designed for fast installation and friction fitting between joists and studs at 600mm centres to improve the sound insulation of:

- separating walls and floors
- internal walls and floors
- timber and metal stud partitions and walls

Standards

Cavity Roll is manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management systems, as certified by TÜV Nord. All our Glass Mineral Wool products have been awarded the DECLARE 'Red List Free' label. This allows product transparency disclosure that identifies where a product comes from, what it is made of, and where it goes at the end of its life. Having the 'Red List Free' label means that there are no ingredients in the product that are on the red list - including formaldehyde or phenol.

Environmental

Cavity Roll contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Real Performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Handling and storage

Cavity Roll is easy to handle and install, being lightweight and easily cut to size, where necessary. 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. Cavity Roll should not be left permanently exposed to the elements.



ECOSE® Technology is our unique bio-based binder, that is used in the manufacture of all of our Glass Mineral Wool products and the majority of our Rock Mineral Wool products, to bind insulation strands together. ECOSE® Technology contains no added formaldehyde or phenol. It is made from natural raw materials that are rapidly renewable and is 70% less energy-intensive to manufacture than traditional binders, so it is more environmentally-friendly. Products made with ECOSE® Technology are soft to touch and easy to handle. They generate low levels of dust and VOCs and have been awarded the Eurofins Gold Certificate for Indoor Air Comfort.

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challenge.
create.
care.