



May 2009

Universal Roll

For floors, walls and roofs

Description

Universal Roll is a flexible, lightweight, low density, non-combustible glass mineral wool roll with high tear strength.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)	Rolls per pack
80	0.044	1.80	11.25	1200	13.50	24
60	0.044	1.35	2x7.50	1200	18.00	24

All dimensions are nominal

Performance

Thermal

Universal Roll has a thermal conductivity of 0.044 W/mK.

Fire

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

Acoustics

Universal Roll has excellent sound absorption characteristics

Benefits

- Lightweight and economic insulation quilt
- Exceptional high tear strength
- Provides thermal and acoustic performance
- Quick and easy to use and install
- Lightweight and easy to handle

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Application

Universal Roll is uncut at 1200mm wide for use as a general purpose thermal and acoustic building roll and is available in 60 and 80mm thicknesses.

Standards

Universal Roll is non-combustible glass mineral wool, defined as mineral wool in BS 3533: 1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000, and Product Standard EN 13162.

Durability

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

Vapour resistance - resistivity

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

Environmental

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

Handling and storage

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

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.

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