



June 2011

EcoBlanket

For walls, floors and roofs



Description

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

Application

EcoBlanket is intended for use as a general purpose thermal and acoustic product for a wide range of applications.

Standards

EcoBlanket is non-combustible inorganic glass wool, defined as mineral wool in EN ISO 9229 and is manufactured in accordance with Quality Assurance Standard EN ISO 9001 and product standard EN 13162.

Durability

EcoBlanket 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

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

Performance

Thermal

EcoBlanket has a thermal conductivity of 0.033 or 0.035 W/mK.

Fire

EcoBlanket is classified as Euroclass A1 to EN ISO 13501-1.

Acoustics

EcoBlanket has excellent sound absorption performance.

Benefits

- Euroclass A1 to EN ISO 13501-1
- Lightweight and economic insulation quilt
- Exceptionally high tear strength
- Provides thermal and acoustic performance
- Quick and easy to use and install
- Lightweight and easy to handle

EcoBlanket

Environmental

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

Handling and storage

EcoBlanket is easy to handle and install, being lightweight and easily cut to size, where necessary. EcoBlanket 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 inside, or under cover and off the ground. EcoBlanket should not be left permanently exposed to the elements.

Thickness	Thermal conductivity	Thermal resistance	Width	Length	Area per pack
(mm)	(W/mK)	(m ² K/W)	(mm)	(mm)	(m ²)
100	0.033	3.00	2x570	4300	4.90
50	0.035	1.40	4x570	9000	20.52
70	0.035	2.00	2x570	12000	13.68
100	0.035	2.85	2x570	9000	10.26
125	0.035	3.55	2x570	6000	6.84
150	0.035	4.25	2x570	5000	5.70
175	0.035	5.00	2x570	5000	5.70
50	0.035	1.40	2x870	9000	15.66
70	0.035	2.00	870	12000	10.44
100	0.035	2.85	870	9000	7.83
125	0.035	3.55	870	6000	5.22
150	0.035	4.25	870	5000	4.35
175	0.035	5.00	870	5000	4.35

Note: Other thicknesses are available but subject to availability and request.

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a natural, formaldehyde-free binder made from rapidly renewable organic materials instead of petroleum-based chemicals and 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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