



June 2011

EcoBatt

For walls, floors and roofs



Description

EcoBatt is a flexible, lightweight, non-combustible, glass mineral wool slab, with high tear strength.

Application

EcoBatt is a general purpose slab for thermal and acoustic insulation, and is suitable for use in a wide range of applications.

Standards

EcoBatt 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

EcoBatt 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

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

Performance

Thermal

EcoBatt has a thermal conductivity of 0.033, 0.035 or 0.037 W/mK.

Fire

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

Acoustics

EcoBatt has excellent sound absorption performance.

Benefits

- Euroclass A1 to EN ISO 13501-1
- Provides thermal, acoustic and fire performance
- Exceptionally high tear strength
- Lightweight and easy to handle and cut
- Versatile multi-purpose product
- Quick and easy to use and install

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Environmental

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

Handling and storage

EcoBatt 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 either be stored indoors, or under cover and off the ground. EcoBatt 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)
50	0.033	1.50	570	1170	8.00
70	0.033	2.10	570	1170	5.34
100	0.033	3.00	570	1170	4.00
150	0.033	4.50	570	1170	2.67
50	0.035	1.40	565	870	7.86
70	0.035	2.00	565	870	4.92
100	0.035	2.85	565	870	3.93
125	0.035	3.55	565	870	2.95
150	0.035	4.25	565	870	2.46
175	0.035	5.00	565	870	1.97
50	0.037	1.35	570	1170	16.01
100	0.037	2.70	570	1170	8.00
150	0.037	4.05	570	1170	5.34
50	0.037	1.35	610	1200	11.71
70	0.037	1.85	610	1200	8.78
100	0.037	2.70	610	1200	7.32

Note: Other thicknesses are available, 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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