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Earthwool® FrameTherm Rolls and Slabs For timber frames

Description

Earthwool FrameTherm Rolls and Slabs are resilient, non-combustible, glass mineral wool products, supplied at 570mm wide to suit common timber stud centres.

Application

Earthwool FrameTherm Rolls and Slabs are used for the thermal insulation of external walls and warm roofs in timber frame construction and are friction fitted between studs and rafters.

Standards

Earthwool FrameTherm Rolls and Slabs are manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Durability

Earthwool FrameTherm Rolls and Slabs are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Performance

Thermal

Earthwool FrameTherm Rolls and Slabs are produced in a range of thermal conductivities from 0.032 to 0.040W/mK.

Fire

Earthwool FrameTherm Rolls and Slabs are classified as Euroclass A1 to BS EN 13501-1.

Acoustics

Earthwool FrameTherm Rolls and Slabs have excellent sound absorption characteristics.

Benefits

- Range of thermal performances
- Sized to friction fit between timber studs at 600mm centres
- Easy to handle and install with no gaps between adjacent rolls or slabs



Move Forward with Confidence

Earthwool® FrameTherm Rolls and Slabs

Vapour resistivity

Earthwool FrameTherm Rolls and Slabs offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00 MNs/g.m.

Environmental

Earthwool FrameTherm Rolls and Slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

Earthwool FrameTherm Rolls and Slabs are easy to handle and install, being lightweight and easily cut to size, where necessary. Both are 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. Earthwool FrameTherm Rolls and Slabs 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.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (m)	Width (mm)	Area per pack (m ²)
Earthwool FrameTherm Roll 40					
140	0.040	3.50	8.02	2x570	9.14
90	0.040	2.25	12.50	2x570	14.25
Earthwool FrameTherm Roll 35					
140	0.035	4.00	3.90	2x570	4.45
90	0.035	2.55	6.00	2x570	6.84
Earthwool FrameTherm Roll 32					
140	0.032	4.35	2.80	2x570	3.19
90	0.032	2.80	4.50	2x570	5.13

All dimensions are nominal

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (mm)	Width (mm)	Area per pack (m ²)	Slabs per pack
Earthwool FrameTherm Slab 38						
140	0.038	3.65	1170	570	5.34	8
90	0.038	2.35	1170	570	8.00	12
Earthwool FrameTherm Slab 35						
140	0.035	4.00	1170	570	4.00	6
90	0.035	2.55	1170	570	5.34	8
Earthwool FrameTherm Slab 32						
140	0.032	4.35	1170	570	2.67	4

All dimensions are nominal

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