KNAUFINSULATION

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EARTHWOOL FRAMETHERM ROLL

March 2018

with ECOSE TECHNOLOGY

APPLICATIONS

DESCRIPTION

Earthwool FrameTherm is a specialist product for timber frame construction. FrameTherm rolls are used for 'friction fitting' between timber studs and rafters. Rolls are fully cut into 2x570mm and 3x380mm to suit commonly used timber stud spacing.

PERFORMANCE

Thermal

Thermal conductivity:	From 0.032 to 0.040W/mK

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m

BENEFITS

- Euroclass A1 non-combustible
- For friction fitting between timber studs at 600mm centres
- Easy to handle and install
- Excellent sound absorption

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/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 / 3x380	4.45
90	0.035	2.55	6.00	2x570 / 3x380	6.84
Earthwool FrameTherm Roll 32					
140	0.032	4.35	2.80	2x570 / 3x380	3.19
90	0.032	2.80	4.50	2x570 / 3x380	5.13

All dimensions are nominal

CERTIFICATION

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ADDITIONAL INFORMATION

Durability

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

Application

Earthwool FrameTherm Rolls 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 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.

Environmental

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

Vapour resistivity

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

Handling and storage

Earthwool FrameTherm Rolls 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.

with ECOSE® TECHNOLOGY

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.

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