

EARTHWOOL 039

May 2024

APPLICATIONS



DESCRIPTION

EARTHWOOL 039 is a low to medium density glass mineral roll.



PERFORMANCE

Thermal Conductivity: 0.039W/mK at 25 C

Euroclass A1 to BS EN 13501-1. (Unfaced)
Does not exceed 25 Flame Spread,
50 Smoke Developed when tested in
accordance with ASTM E84. (FSK)

Fire Classification:

BENEFITS

- ✓ Designed specifically for steel frame construction
- ✓ Easy to handle and install with no gaps between adjacent rolls

SPECIFICATIONS

Facing	Thickness (mm)	Length (m)	Width (mm)	Area per pack (m ²)	Thermal Conductivity (W/m.K)	R Value (m ² .K/W)	Density kg /m ³	Rolls per pack
Unfaced	100	20	1200	24	0,039	2,56	12	1
Unfaced	100	9	1200	10,8	0,039	2,56	12	1
FSK	100	9	1200	10,8	0,039	2,56	12	1
Unfaced	75	12	1200	14,4	0,039	1,92	12	1
FSK	75	12	1200	14,4	0,039	1,92	12	1
Unfaced	50	18	1200	21,6	0,039	1,28	12	1
FSK	50	20	1200	24	0,039	1,28	12	1
WMPSK	50	25	1000	25	0,039	1,28	12	1
Unfaced	25	30	1200	36	0,039	0,64	12	1

All dimensions are nominal.

CERTIFICATES



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ADDITIONAL INFORMATION

Application

Earthwool 039 is designed for the thermal insulation of external walls in steel frame constructions. Earthwool 039 is friction fitted between steel studs and is 600mm wide to suit commonly used stud centres.

Standards

Earthwool 039 is manufactured in accordance with BS EN 13162, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Certification

Earthwool 039 are certified under UL 723, DCL Product Conformity, EUCEB for conformity of fibres produced with the requirements of Note Q of the Regulation (EC) No 1272.2008 of EP and EC, EUROFINS Indoor Air Quality Gold, SASO Product Conformity.

Durability

Earthwool 039 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Environmental

Earthwool 039 represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Vapour resistivity

Earthwool 039 offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MN/g.m. (Unfaced)

Water Vapor Permeance

Earthwool 039 (FSK) have a maximum water vapor permeance of 0.02 perms as per ASTM E96, Procedure A.

Handling and storage

Earthwool 039 is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied enclosed in polythene which is designed for short term protection only. For longer term protection on site, the product should be stored either indoors, or under cover and off the ground. Earthwool 039 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.

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