

Classic 035 / Earthwool 035

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

Insulation rolls of Natural Mineral Wool with ECOSE® Technology for high performance. Classic 035 / Earthwool 035 is a semi hard natural mineral wool roll with high thermal performance, for roofs and walls. It can be installed as self-supported between rafters in pitched roofs and at drywall applications.

TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity λ_D	0.035 W/mK
Reaction to fire	A1 - non-combustible material
Water vapour diffusion resistance factor μ	~1
Air flow resistance AFR	>7 kPa·s/m ²
Short term water absorption W_p	≤1 kg/m ²
Long term water absorption W_{lp}	≤3 kg/m ²

BENEFITS

High thermal performance
Excellent fire resistance - Euroclass A1, non combustible
Acoustic insulation
Easy application, no need for mechanical support

DESIGNATION CODE: MW-EN 13162-T2-AFr7-WS-WL(P)

DIMENSIONS AND PACKAGING

Thickness (mm)	Width (mm)	Length (mm)	pcs / roll	m ² / roll	Rolls / pallet	m ² / pallet	R Thermal resistance (m ² K/W)	
50	1200	11000	1	13,2	24	316,8	1,43	
60	1200	9000	1	10,8	24	259,2	1,71	**
80	1200	7000	1	8,4	24	201,6	2,29	**
100	1200	6300	1	7,56	24	181,44	2,86	**
120	1200	5300	1	6,36	24	152,64	3,43	**
140	1200	4500	1	5,4	24	129,6	4,00	**
150	1200	4000	1	4,8	24	115,2	4,29	**
200	1200	3200	1	3,84	24	92,16	5,71	**

**Upon request we have the ability to provide equivalent materials under alternative trade names.

CERTIFICATES



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ADDITIONAL INFORMATION

Application

The product offers a high level performance in terms of thermal and sound insulation as well as fire protection. It is intended for application in pitched roofs and various walls systems. It can be applied between rafters in one or two layers and its installation is simple and fast as it requires no extra mechanical support.

Packaging

The product Classic 035 / Earthwool 035 is delivered in PE heat-shrinking foil. The products must be stored in a dry place, indoors or under roof. In exceptional situations, the packages stored outdoors should be protected by watertight foil. The packages must not be placed directly on the ground.

Quality

Classic 035 / Earthwool 035 is certified to comply with standard EN 13162 as well as with the EUCB certificate which ensures that the product is biosoluble and not dangerous for health in accordance with European Directive 97\69\EC. Due to ECOSE Technology naturally based binder, it also possesses Eurofins Indoor Air Comfort Gold Certificate, regarding indoor Environmental Quality and Low-Emitting Materials.



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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