

Naturoll Plus

April 2020



APPLICATIONS



PRODUCT DESCRIPTION

Multifunctional insulation roll of Natural Mineral Wool with ECOSE® Technology
 Naturoll Plus is a natural mineral wool roll offering thermal insulation, sound insulation and fire protection in various applications, including lofts, attics, ceilings and other horizontal applications, as well as general timber and steel frame constructions.

TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity λ_D	0.040 W/mK
Reaction to fire	A1 - non-combustible material
Water vapour diffusion resistance factor μ	~1
Air flow resistance AFR	>5 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

- Thermal insulation
- Excellent fire resistance - Euroclass A1, non combustible
- Sound insulation
- Improved mechanical properties
- Competitive cost
- Simple and quick application

DESIGNATION CODE: MW-EN 13162-T2-WS-WL(P)-MU1

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	6700	2	16,08	32	514,56	1,25
60	1200	5500	2	13,02	32	422,4	1,50 **
80	1200	8400	1	10,08	32	322,56	2,00
100	1200	6700	1	8,04	32	257,28	2,50
120	1200	5600	1	6,72	32	215,04	3,00 **
140	1200	4800	1	5,76	32	184,32	3,50 **
150	1200	4500	1	5,4	32	172,8	3,75 **
160	1200	4200	1	5,04	32	161,28	4,00 **
200	1200	3400	1	4,08	32	130,56	5,00 **

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

CERTIFICATES



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ADDITIONAL INFORMATION

Application

The product is intended for thermal and sound insulation, as well as for fire protection in various applications with no mechanical requirements. It can be installed into cavities and frames and also be laid onto horizontal constructions. Its typical use includes insulation from above for lofts and attics and also suspended ceilings. In case of pitched constructions such as a pitched roof, Naturoll Plus must be mechanically fixed on its place.

Packaging

The product Naturoll Plus 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

Naturoll Plus is certified to comply with standard EN 13162 as well as with the EUCEB 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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