

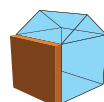
$\lambda = 0,039 \text{ W/mK}$



Technical data Sheet

July 2013

Knauf Insulation FKL



Insulation lamella for contact façade

Product description

The product is non-combustible, water-resistant, resistant to high temperatures and ageing and chemically neutral. Lamellas are made of so-called semi-finished products so the fibres are oriented perpendicular to the surface of the wall which together with lower density provides better mechanical properties.

Dimensions and packaging

Lamella thickness	Pcs per package	Packages per pallet	Pcs per pallet	m ² per pallet	Package height	Pallet height
50	12	12	144	34,56	300	1200
60	10	12	120	28,8	300	1200
80	10	9	90	21,6	400	1200
100	6	12	72	17,28	300	1200
120	4	15	60	14,4	240	1200
150	4	12	48	11,52	300	1200
200	4	9	36	8,64	400	1200
250	2	15	30	7,2	250	1250
300	2	12	24	5,76	300	1200

Characteristics

Heat insulation

Lower heat transfer coefficient λ (W/m·K).

Fire protection

Reaction to fire Class A1, non-combustible material

Sound insulation

Excellent sound insulation due to dense fibre structure of the material

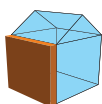
Benefits

- Vapour permeability
- Increased safety in case of fire
- Stability and compactness
- Resistance to ageing
- The material meets health safety and environmental requirements
- Simple and quick installation

Knauf Insulation FKL

Technical specifications of Knauf Insulation FKL

Properties	Unit of measure	Value
Thermal conductivity coefficient λ_b	W/mK	0,039
Reaction to fire - class	-	A1-non-combustible
Water vapour diffusion resistance factor μ	-	1
Delamination	kPa	≥ 80
Stress at 10% compaction	kPa	≥ 40



Application

The product is intended for thermal and sound insulation, as well as for fire protection of external walls in ETICS system. Lamellas provide high vapour permeability to this system. Lamellas are different from other materials in this system because they can be placed on the base wall only by bonding them with polymer-cementitious adhesive applied over the entire surface of lamellas, without the need for anchoring lamellas up to 20 cm wide and building height up to 22 m. It is recommended to mechanically attach lamellas on older buildings with the remaining façade. From the civil engineering physics point of view, they are an ideal solution for ETICS systems of external walls on low-energy (passive) buildings and they are also suitable for developing similar systems (garages, basements, loggias), as well as for mentioned wall insulation of unheated stairwells in buildings.

Packaging and storage

The product FKL is delivered in PE heat-shrinking foil. The products must be stored indoors or under a roof. In exceptional circumstances, the packages stored outdoors should be protected by watertight foil. Packages must not be placed directly on the ground.



Knauf Insulation

Greece
sales.gr@knaufinsulation.com
Tel: +30 211 710 7007
Fax: +30 211 740 9480

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