

$\lambda=0,036 \text{ W/mK}$



Technical Data Sheet

May 2016

Smart Roof THERMAL



Insulation slab for flat roofs

Product description

Smart Roof THERMAL is a compact rock mineral wool slab of stable density equally distributed across the slab thickness, belongs to the group of very hard products. The product is non-combustible, resistant to high temperatures, water-repellent, resistant to aging and chemically neutral. The dimensions do not change due to large temperature changes.

Dimensions and packaging

Thickness (mm)	Width (mm)	Length (mm)	m ² / pallet	m ³ / pallet	pcs / pallet
40	1200	2000	72.00	2.88	30
50	1200	2000	57.00	2.88	24
60	1200	2000	48.00	2.88	20
70	1200	2000	40.80	2.86	17
80	1200	2000	36.00	2.88	15
90	1200	2000	31.20	2.81	13
100	1200	2000	28.80	2.88	12
120	1200	2000	24.00	2.88	10
130	1200	2000	24.00	3.12	10
140	1200	2000	21.60	3.02	9
150	1200	2000	19.20	2.88	8

Basic Properties

Thermal conductivity

Low value of thermal conductivity
 $\lambda_0=0.036 \text{ W/mK}$

Reaction to fire

Non-combustible material A1

Sound insulation

Excellent sound absorption due to dense fibre structure.

Advantages

- Increased safety in case of fire
- Stable and compact material
- Resistance to aging
- The material meets health, safety and environmental requirements
- Simple and quick installation

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Technical characteristics

Characteristics	Symbol	Value
Dedared coefficient of thermal conductivity λ_0 (d \geq 50mm)	W/mk	0,036
Reaction to fire	-	A1 - non-combustible material
Delamination	kPa	> 10
Stress at 10% compacting	kPa	> 50
Point load	N	> 500



Application

The product is intended for thermal and sound insulation, as well as for fire protection in flat roofs. It is adequate for application under all types of waterproofing foils, for non walkable roofs. It is easily installed on a concrete base and the profiled steel structures.

Packaging

The product Smart Roof THERMAL is delivered in PE heat-shrinking foil, on pallets. The products should be stored indoors or under roof. The packages stored outdoors should be protected by watertight foil. The packages must not be placed directly on the ground.



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