

Data sheet

Termo Top Slim mat

Product photo



Technical drawing

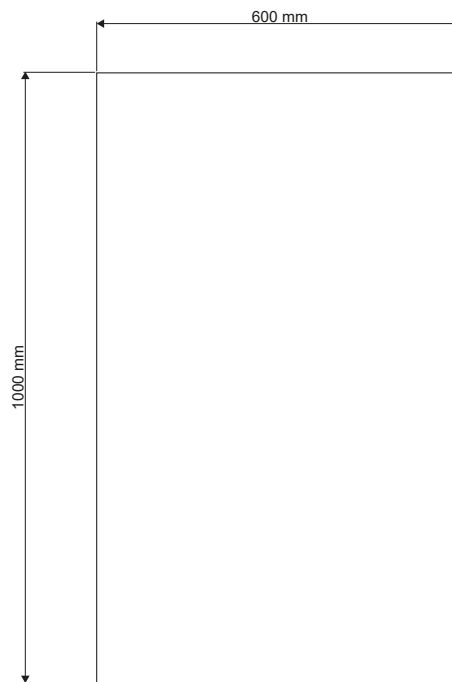
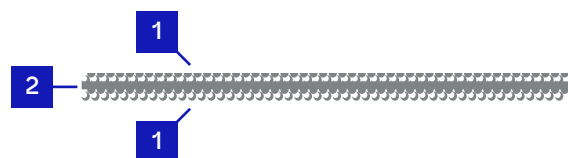


Fig. 1. Termo Top Slim mat technical drawing

Cross-section of the Termo Top Slim mat



1. Bonding surface
2. Reinforcing and isolating layer

Product description

The Termo Top Slim mat has been designed and developed for renovation projects and applications with limited height, serving as an ultra-thin, tension-reducing layer between the substrate and the finishing surface. Due to its minimal thickness, the mat effectively allows for floor installation without significantly raising the ground level, providing a secure bond and protection against substrate cracks.

Safety usage

Termo Top Slim Mat is designed exclusively for indoor use in underfloor and wall heating systems. It should not be exposed to open flames or heat sources exceeding the recommended maximum temperature of 90 °C. During installation, care should be taken to avoid damaging the mat with sharp tools. The subfloor must be clean, dry, and stable prior to laying the mat. All installation steps should follow the provided guidelines and comply with local building regulations. Keep the product out of reach of children and pets during installation and before it is covered with the final flooring layer. The mat is not intended for outdoor use or in areas with high moisture, unless properly sealed and installed by a qualified professional.

Where to use?

Termo Top Slim is recommended for both interior and exterior floors (including balconies with proper sealing) as well as interior walls. It acts as a decoupling and sound-insulating layer that is compatible with various flooring finishes, including tiles, stone, parquet, and laminate. Ideal for:

- Concrete and load-bearing screeds
- New cement screeds (2–5 days old) with C2 adhesive
- Existing tile and natural stone surfaces
- Plasterboard and dry screed elements
- Mixed substrates (e.g., chipboard)
- Heated screeds and cast asphalt
- It can handle traffic loads up to 5 kN/m² and condition of the subfloor.

Key benefits

- Ideal for renovation – minimal structural height makes it well suited for refurbishment projects where floor levels cannot be significantly increased.
- Decoupling and crack bridging – functions as a tension-reducing intermediate layer that absorbs substrate movement and isolates minor cracks, preventing them from transferring to the finished floor.
- Acoustic and thermal comfort – reduces impact noise by up to 10 dB while limiting thermal bridging to improve insulation performance.
- High load-bearing capacity – designed to withstand loads from 3 kN/m² to 10 kN/m², ensuring durability in residential and commercial applications.
- Low-emission material – certified EC1 Plus, guaranteeing very low emissions of harmful substances for a healthy indoor environment.
- Versatile application – suitable for interior floors and walls beneath ceramic tiles, stone, wood, and laminate, and compatible with standard C2 tile adhesives.



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Specifications

Materials

Material	Synthetic fiber mix, multi-layer structure
Structure	3-layer construction
Thickness	approx. 2 mm (Slim version)
Temperature resistance	up to 90 °C
Pressure resistance	72 kPa (10% compression, DIN EN 826)
Fire resistance	Class E (DIN EN 13501-1)
Impact sound reduction	up to 10 dB (with tile adhesive C2 and ceramic tiles)
Impact sound reduction – loose laid	up to 14 dB
Thermal conductivity λ10	0,0511 W / mK
Thermal resistance R	approx. 0.039 m²K/W
Water vapor diffusion resistance factor μ	10
Emissions	EC1 PLUS – very low-emission floor material

Dimensions

L / W / H (mm)	1000 x 600 x 2
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Available configurations				Pallet		
Product ID	Type	Product dimensions L / W / H (mm)	Net weight (g)	Pcs	Pallet dimensions L / W / H (cm)	Gross weight (kg)
F-068351	slim	1000 x 600 x 2	465	400	120 x 80 x 95	206

Logistics

The Termo Top Slim mat is available with standard dimensions of 100 × 60 cm. The mat covers an area of 0.6 m² per sheet, with a weight of approximately 1 kg per square meter. The product should be transported in a horizontal position, avoiding excessive loads and exposure to moisture to ensure quality is maintained.

Storage

The mat should be stored in a dry, well-ventilated room, at a temperature between +5°C and +35°C, away from heat sources and direct sunlight. It is important to store the product on a flat surface to prevent deformation. Additionally, the mat should be kept away from water and stored in conditions that prevent exposure to high humidity, which could affect its properties.

Utilisation

Used or damaged Termo Top Slim mats should be disposed of in accordance with applicable waste management regulations. Due to the materials used in the product, such as plastics, it is recommended to hand it over to a metal waste collection point or a specialized recycling facility. Proper disposal allows for the recovery of raw materials and minimizes the negative environmental impact. Under no circumstances should the mats be thrown into municipal waste.