

Data sheet

Termo Top Alu mat

Product photo



Technical drawing

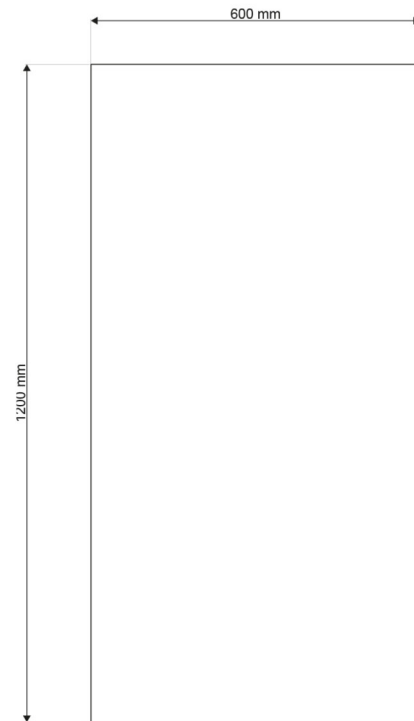


Fig. 1. Termo Top Alu mat technical drawing

Cross-section of the Termo Top Alu mat



1. Bonding surface
2. Reinforcing and heat-conducting aluminum layer

Product description

Termo Top Alu Mat is a high-performance heat distribution mat designed specifically for underfloor heating systems. Its integrated aluminum foil ensures rapid surface warming and even heat distribution, while the built-in insulation layer significantly improves energy efficiency.

Key benefits

- Rapid heating and even heat distribution made possible by the integrated aluminum layer.
- Built-in insulation improves the overall efficiency of the heating system.
- High durability: withstands temperatures up to 90 °C and pressure of 72 kPa at 10% compression.
- Very low VOC emissions (Volatile Organic Compounds, EC1 PLUS) and excellent fire resistance (Class E).
- Certified in accordance with German building regulations.
- Easy to cut and install on a wide range of surfaces.

Where to use?

Termo Top Alu Mat is recommended for indoor use on both floors and walls in underfloor heating systems. It supports uniform heat distribution and is compatible with various types of substrates. Ideal for:

- Concrete and cement screeds
- New screeds (2–5 days old) with C2 adhesive
- Existing tile surfaces
- Natural stone
- Dry screed panels and plasterboard
- Mixed substrates (e.g., chipboard)
- Heating screeds.

It can handle traffic loads up to 5 kN/m², depending on the type and condition of the subfloor.

Safety usage

Termo Top Alu 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, avoid using sharp tools that could damage the aluminum surface. 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.

Data sheet

Termo Top Alu mat

Specifications

Materials

Material	Synthetic fiber mix with aluminum foil (centered)
Structure	5-layer
Crack-bridging improvement factor	1.34 mm
Temperature resistance	Up to 90 °C
Pressure resistance (DIN EN 826, 10% compression)	72 kPa
Fire resistance (DIN EN 13501-1:2010-1)	Fire behavior class E
Emissions	EC1 PLUS – very low-emission floor material
Testing standard	GEV criteria, PB No. 411411-01

Dimensions

L / W / H (mm)	1200 x 600 x 1.5
----------------	------------------

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)
M-14437	with aluminium layer	1200 x 600 x 1,5	720 g	400	120 x 80 x 95	303 kg

Logistics

The Termo Top Alu mat is available in various configurations, with standard dimensions of 120 × 60 cm. The mat covers an area of 0.72 m² per sheet, with a weight of approximately 1 kg per square meter. Details regarding the number of pieces per package and package dimensions may vary, so it is recommended to contact the manufacturer or authorized dealer for accurate information. 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 Alu mats should be disposed of in accordance with applicable waste management regulations. Due to the materials used in the product, such as plastics and aluminum, 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.