ETHERMA°
EFFICIENT. ELECTRIC. HEATING.

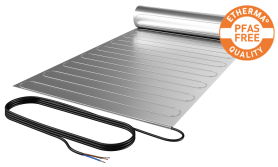
PRODUCT DATASHEET

Type: eFLOOR-LM-120-1800
Art. Nr.: 46687

9120129934503

Short description

Heating mat under laminate, PFAS free, 9.0m2, 50x1800cm, 1080W, 230V





Product Description

The Laminotherm eFLOOR LM heating mat is a factory-assembled thin-bed heating mat for temperature control of parquet, laminate, and cork floors, as well as for heating well-insulated rooms. The heating system is laid directly under the floor covering and is specially designed for use in dry indoor areas. The reinforced aluminum mesh ensures even heat distribution across the entire surface and reliably prevents the formation of hot spots. Thanks to its thin design (only 1.3 mm), the heating mat is particularly space-saving and ideal for renovations. The dipole design reduces electromagnetic fields and makes installation much easier. The heating mat is low-emission and PFAS-free, making it a healthy and environmentally friendly solution. eFLOOR LM is available with a fixed output of 120 W/m2. The nominal temperature is up to 90 °C. Protective measure: FI protective circuit with 30 mA tripping current. Protection class IP X7 ensures safety even when temporarily exposed to moisture. The design complies with the IEC 60335 standard. Connection cable: 4 m, 2×1.0 mm2 with protective braiding. Aluminum mesh thickness: 1 mm. The heating mat is CE-compliant and SEMCO-certified and offers a reliable, energy-efficient solution for electric surface heating under sensitive floor coverings. This product is a stationary, electric floor heating device for individual rooms; in order to meet the mandatory ecodesign requirements of Commission Regulation (EU) 2024/1103, it must be supplemented by a controller that fulfills at least the following control functions: electronic room temperature controller with weekday control (TW) and at least one f function (e.g., f2 or f4); the following combinations are possible: TW (f2), TW (f3), TW (f4), TW (f8)

ETIM 10 Characteristics

Model	Other
With support mat	✔
Fixation thermal conductor	Glued
Self-adhesive	✖
Suitable for damp space	✔
Suitable as outdoor surface heating	✖
Suitable as roof surface heating	✖
With controller	✖
With room temperature controller	✖
With floor temperature sensor	✖

Connection voltage	230|230 Volt
Connected load	1080|1080 Watt
Power	120 Watt per square metre
Heating conductor load	6 Watt per metre
Resistance	49 Ohm
Number of cold conductors	1
Length of cold conductors	4000 Millimetre
Surface	9 Square metre
Length	18000 Millimetre
Width	500 Millimetre
Thickness	1.3 Millimetre

Created on: 14/09/2026

ETHERMA Elektrowärme GmbH
Landesstrasse 16
A-5302 Henndorf am Wallersee
Tel.: +43 6214 / 76 77
Mail: office@etherma.com
Web: www.etherma.com

ETHERMA Deutschland GmbH
Bahnhofstraße 40
D-48599 Gronau
Tel.: +49 2562 / 81 97 00
Mail: office.de@etherma.com
Web: www.etherma.com