ETHERMA°
EFFICIENT. ELECTRIC. HEATING.

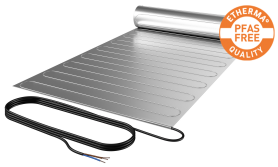
# PRODUCT DATASHEET

**Type:** eFLOOR-LM-120-100
**Art. Nr.:** 46678

9120129934411

## Short description

Heating mat under laminate, PFAS free, 0.5m2, 50x100cm, 60W, 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** | 60\|60 Watt |
| **Power** | 120 Watt per square metre |
| **Heating conductor load** | 3 Watt per metre |
| **Resistance** | 882 Ohm |
| **Number of cold conductors** | 1 |
| **Length of cold conductors** | 4000 Millimetre |
| **Surface** | 0.5 Square metre |
| **Length** | 1000 Millimetre |
| **Width** | 500 Millimetre |
| **Thickness** | 1.3 Millimetre |

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