ETHERMA°
EFFICIENT. ELECTRIC. HEATING.

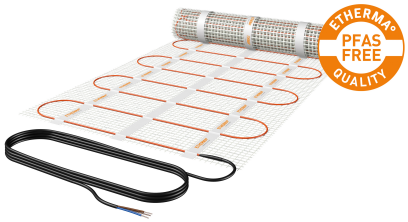
PRODUCT DATASHEET

Type: eFLOOR-PRO-80-400
Art. Nr.: 46193

9120129930154

Short description

Heating mat extra thin 3,8mm, PFAS free, 2.0m2, 50x400cm, 160W 230V



Product Description

The eFLOOR PRO self-adhesive mesh heating mat has been specially developed for use under tile and stone floors and is suitable for comfortable floor heating, complete room heating, or cold insulation on walls. Thanks to its low overall height of only 3.8 mm, the mat can also be used in renovations without any problems, as it requires only a minimal installation height. Factory assembly enables quick and easy installation. The heating mat has a dipole design with only one connection cable, which further simplifies installation and saves time. The PFAS-free heating conductor is low in magnetic fields and offers high stability in the tile adhesive bed thanks to its robust structure. The self-adhesive carrier mesh with a 12×12 mm grid ensures secure fixation to the substrate. eFLOOR PRO is available in five different power levels from 60 to 200 W/m2, allowing it to be flexibly adapted to different requirements and room conditions. Customized designs in individual sizes, power ratings, voltages, or shapes are also available on request. The nominal temperature of the heating conductor is up to 90 °C. The system complies with protection class IPX7 and is designed in accordance with VDE 0700. The eFLOOR PRO heating mat is CE-compliant and VDE-tested. The heating conductor is designed using dipole technology, is PFAS-free, and has a low magnetic field. The grid spacing is 12×12 mm, and the heating conductor thickness is 3.2 mm. The connection cable is 4 m long and consists of 2×1.0 mm2 with integrated protective braiding. The operating voltage is 230 V. As a protective measure, a residual current circuit breaker (RCCB) with a 30 mA tripping current is required. This product is a stationary, electric floor heating device for individual rooms; in order to meet the binding 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	Heating cable	**Connection voltage**	230|230	Volt
With support mat	✔	**Connected load**	160|160	Watt
Fixation thermal conductor	Glued	**Power**	80	Watt per square metre
Self-adhesive	✔	**Heating conductor load**	7.6	Watt per metre
Suitable for damp space	✔	**Resistance**	336	Ohm
Suitable as outdoor surface heating	✖	**Number of cold conductors**	1	
Suitable as roof surface heating	✖	**Length of cold conductors**	4000	Millimetre
With controller	✖	**Surface**	2	Square metre
With room temperature controller	✖	**Length**	4000	Millimetre
With floor temperature sensor	✖	**Width**	500	Millimetre
		Thickness	3.8	Millimetre

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