



HEATING MATS



Heat Mat

Underfloor Heating

Call 01444 247020
to find out more or
visit our website at
www.heatmat.co.uk

Heat Mat 240W/sqm Heating Mats

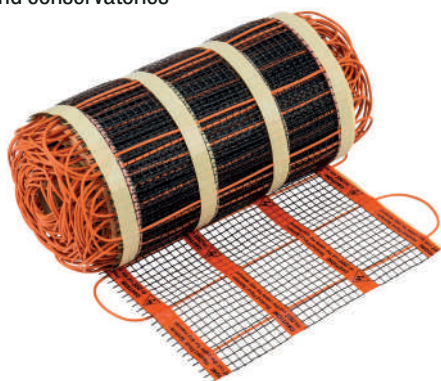
Ultimate power ultra-thin underfloor heating mats

240W/sqm Underfloor Heating Mats

240W/sqm heating mats are the most powerful system in Heat Mat's electric underfloor heating range. They provide the highest heat output, the fastest warm-up time and the most energy efficient system for heating beneath tile and stone floors, while offering all of the other benefits of Heat Mat's fast to fit ultra thin systems.

240W mats provide sole source heating in areas where conventional heating mats can struggle for instance very small rooms, high heat loss rooms including conservatories and foyers, and areas where only part of the floor can be heated due to fitted units e.g kitchens.

- Designed to provide sole source heating in very small and/or high heat loss rooms including en-suite bathrooms, garden rooms and conservatories



- A great heating solution when floor build height restrictions prevent insulation boards being installed
- Particularly suited to heating rooms where a high proportion of the floor is taken up by units that can not have heating beneath them. This includes kitchens, utility rooms and some bathrooms
- Perfect for drying out floors for safety reasons and to prevent mould. Suitable for swimming pools and use in wet rooms/bathrooms. Can also be used within walls for towel warming or to dry out shower areas
- The fastest heating, highest output and most energy efficient mat system offered by Heat Mat with the close cable spacing generating superior heat spread through the floor
- Provide a very fast warm-up time beneath thick floor coverings like flagstones and brick

240W mat features

- The ultimate high powered underfloor heating system perfect for high heat loss areas and when a speedy warm-up time is required
- Designed for a variety of situations including very small rooms, high heat loss rooms, and areas that require rapid heating such as foyers and entrance halls
- Our most energy efficient heating system when used with our controllers adaptive function
- Closely spaced heating cable for even heat output
- Perfect for heating beneath thick floor coverings such as flagstones and brick
- Simple cut and turn design enables fast installation
- Ultra-thin fluoropolymer insulated cable ensures minimum build height
- A large range of standard sizes which can be mixed and matched for the perfect fit
- Supplied with a Lifetime Warranty
- Made in Denmark

Compatible with



Thermostats



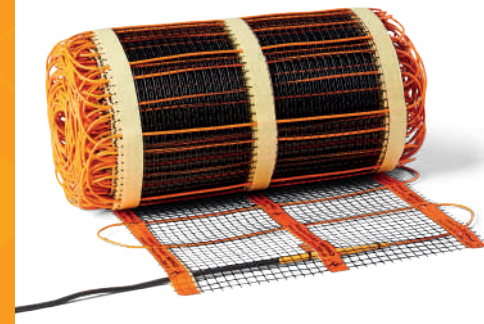
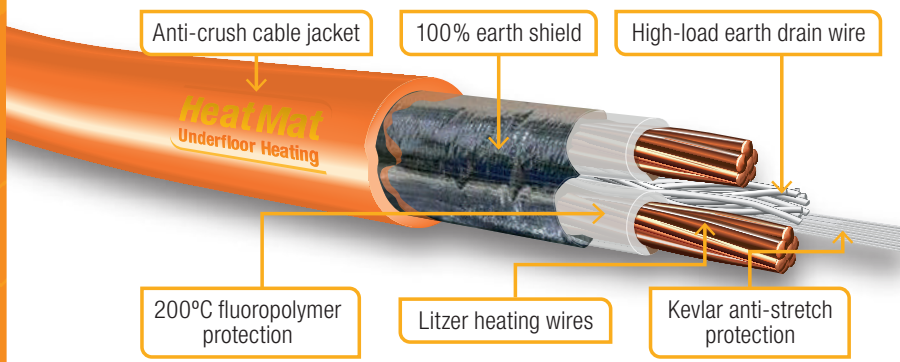
Additional heating mats



Thermal insulation boards



Levelling compound



Our Ultimate Heating Cable



Litze Wire Technology

Multiple heating elements are spun together to provide superior strength in a very flexible heating wire.



200°C Fluoropolymer Protection

Super-high temperature fluoropolymer insulation surrounds the heating elements and provides superior protection.



Kevlar Anti-stretch Cable

Kevlar strands run through the centre of the heating cable preventing it from damage during installation.



100% Earth Shield

An aluminium safety shield wraps the entire heating cable to ensure the system is instantly shut down if damaged.



Anti-crush Cable Jacket

The high quality PVC cable jacket provides protection against cutting and damage during installation.



100% Shielded Coldtail

The entire coldtail is shielded continuing the 100% electrical protection.



Cut & Turn Mat System

The cut-and-turn system allows mats to be turned back on themselves multiple times during fitting.



Zero-float Mesh

The mesh terminates at the last row of tape rather than continuing to the ends of the cable, so none floats up when covered in levelling compound.

240W Heating Mat

Technical Specification

Supply Voltage	230V +/- 10
Power output	240W/sqm
Output range	120W – 2710W
Maximum load	20W/linear metre
Standard range	0.5m ² – 11.4m ²
Mat dimensions	0.5m wide x 1.0m to 22.8m
Coldtail lead	4m double insulated cable
Wire thickness	2.7mm – 3.2mm
Cable flexibility	Minimum radius 18mm
IP Rating	IPX7
Inner insulation	Fluoropolymer (FEP Y7) 200°C
Outer insulation	PVC (Y) 90°C
Earth protection	100% aluminium earth shield
Cable reinforcement	Fibreglass strands
Reinforcement mesh	Fibreglass mesh
Fixing materials	3 rows of double-sided tape
Compliant with	Part L, 18th Edition IEE Wiring Regulations, EN 60335-1:1998, EN60335-2-17:1999, IEC 60730

Wiring

Heating mats must always be controlled by a suitable electric underfloor heating thermostat with floor temperature limitation. Heat Mat thermostats are rated to 16 Amps, and if a system exceeds this loading a suitably rated contactor should be used. The circuit must be protected by a 30mA RCD and suitably rated fuse or circuit breaker.

Product code	Size in m ²	Wattage	Resistance
PKM-240-0050	0.5m ²	120W	472 Ω
PKM-240-0080	0.8m ²	200W	293 Ω
PKM-240-0110	1.1m ²	270W	210 Ω
PKM-240-0130	1.3m ²	320W	182Ω
PKM-240-0150	1.5m ²	360W	162 Ω
PKM-240-0170	1.7m ²	410W	140 Ω
PKM-240-0210	2.1m ²	490W	118Ω
PKM-240-0270	2.7m ²	650W	88 Ω
PKM-240-0320	3.2m ²	770W	75 Ω

Product code	Size in m ²	Wattage	Resistance
PKM-240-0390	3.9m ²	910W	63 Ω
PKM-240-0460	4.6m ²	1100W	53 Ω
PKM-240-0550	5.5m ²	1290W	45 Ω
PKM-240-0650	6.5m ²	1520W	38 Ω
PKM-240-0760	7.6m ²	1820W	32 Ω
PKM-240-0850	8.5m ²	2020W	28 Ω
PKM-240-0930	9.3m ²	2210W	26 Ω
PKM-240-1140	11.4m ²	2710W	21 Ω

About Heat Mat

Heat Mat is part of the Heatcom group of companies, one of Europe's largest underfloor heating manufacturers. With Heat Mat's 25 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professionals' Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.

Contact us

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