



HEATING MATS



Heat Mat

Underfloor Heating

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

Heat Mat 200W/sqm Heating Mats

High power, ultra-thin undertile heating mats

200W/sqm Undertile Heating Mats

A professional fast to fit system designed to provide energy efficient tile warming, and room heating, in all types of room. This award winning underfloor heating mat range reacts significantly faster than less powerful systems, and its ultra thin construction ensures floor levels are only raised by a few millimetres.

200W heating mats are a remarkably simple to operate heating system, when used in combination with Heat Mat's NGTouch thermostat, providing luxurious warm tile or natural stone floors.



- Designed to provide sole source heating, even in conservatories and other high heat loss rooms
- Dramatically reduced response time compared to 110W and 160W/sqm systems
- When used with an intelligent thermostat timer, 200W systems are more energy efficient and cost less to run than lower powered alternatives
- Technologically advanced wire design delivers minimal build height combined with a robust high powered heating cable
- Particularly suitable for large areas, where loose heating cables could take three times as long to fit

200W mat features

- Can provide a complete heating system in most circumstances, even in conservatories
- Compatible with thermal insulation boards for increased efficiency
- Pre-spaced heating cable for speedy installation and uniform heat output
- Simple cut and turn design enables significantly faster installation than with loose cables
- Ultra-thin fluoropolymer insulated cable ensures minimum build height
- Dual conductor cable design means only one connection lead
- A large range of standard sizes which can be mixed and matched to ensure the perfect fit
- Supplied with a Lifetime Warranty
- Independently BEAB and Semko approved for safety
- Part L Compliant to provide an energy efficient heating system
- Made in Denmark

Compatible with



Thermal
insulation boards



Additional
heating mats



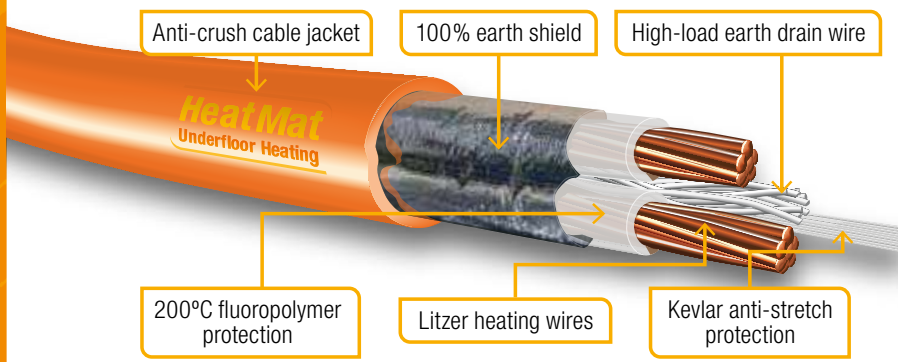
Thermostats



I-primer



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.

200W Heating Mat

Technical Specification

Supply Voltage	230V +/- 10
Power output	200W/sqm
Output range	130W – 2590W
Maximum load	20W/linear metre
Standard range	0.6m ² – 12.9m ²
Mat dimensions	0.5m wide x 1.2m to 25.8m
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 or 4 rows of double-sided tape
Compliant with	Part L, 18th Edition IEE Wiring Regulations, BS EN 60335-2-96, IEC 60800

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-200-0060	0.6m ²	130W	442 Ω
PKM-200-0100	1.0m ²	208W	277 Ω
PKM-200-0160	1.6m ²	310W	186 Ω
PKM-200-0200	2.0m ²	405W	142 Ω
PKM-200-0260	2.6m ²	512W	113 Ω
PKM-200-0280	2.8m ²	576W	100 Ω
PKM-200-0350	3.5m ²	719W	80 Ω
PKM-200-0410	4.1m ²	820W	67 Ω

Product code	Size in m ²	Wattage	Resistance
PKM-200-0550	5.5m ²	1100W	53 Ω
PKM-200-0600	6.0m ²	1196W	48 Ω
PKM-200-0680	6.8m ²	1340W	43 Ω
PKM-200-0730	7.3m ²	1504W	38 Ω
PKM-200-0870	8.7m ²	1769W	33 Ω
PKM-200-1020	10.2m ²	1973W	27 Ω
PKM-200-1290	12.9m ²	2590W	24 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

01444 247020

tech@heatmat.co.uk www.heatmat.co.uk

Heat Mat Limited
3 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex, BN6 9GL.



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