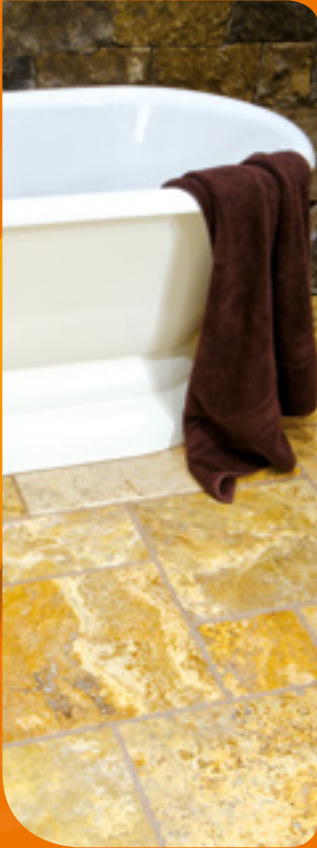


Heat Mat

Underfloor Heating

The Professionals' Choice



- ✓ Electric Underfloor Heating
- ✓ Ice & Snow Melting

Welcome to Heat Mat

We manufacture electric underfloor heating for retrofit, refurbishment and new build projects. Our systems can heat a single room or a whole house. We also supply, and specify, a range of innovative ice and snow solutions for frost protection and winter defence.

- We are a UK company
- We manufacture nearly all of our products in Britain, Denmark or Germany   
- Our products are independently approved and surpass all British and European electrical safety standards



Please see individual product pages for details of the independent approvals and warranties relating to each range.

**For further details please call 01444 247020
or visit www.heatmat.co.uk**

Why choose Heat Mat?

Our reputation with installers and distributors is that of technical excellence and we pride ourselves on offering second-to-none support.

Technical support and service

We offer industry leading technical support to installers, distributors and end users.

Our team is on hand to help between 8.30am–5.30pm Monday–Friday.

We will assist with installation advice, help you or your customer choose a system or guide you through thermostat programming.

Project specifications

We provide expert support on projects of any size. We can work with you to specify the best system for your project – from a 2m² bathroom to an entire hotel development.

Site visits

For larger projects or more complicated installations we will attend site and consult or assist with installation training.

Site visits can be arranged via your local wholesaler and the Account Manager for your area. For information please call 01444 247020.

Heat Mat Trained Installers

We offer **FREE one-day training courses** demonstrating how easy it is to install electric underfloor heating and we will guide you through the systems we offer. At the end you will be considered a *Heat Mat Trained Installer* and entitled to various benefits including marketing support and project notifications.

To register your interest email: training@heatmat.co.uk

Email sales@heatmat.co.uk Follow us at @HeatMatLimited

Quality of product

Our heating mats, 3mm cable, underlamine system, NGTouch thermostat and mirror demisters have **lifetime guarantees**, reflecting our confidence that we produce some of the best quality products money can buy. Our products are also Part L and 17th Edition compliant.



Great value solutions

Prices for our heating mats start at £181 (inc. VAT) for a 1.1m² 160W mat system and a manual TPS thermostat or £179 (inc. VAT) for a 200W loose cable system covering 1.0-1.5m² with a manual TPS thermostat.

Our technical support team will provide a full system quote and distributor details as required.



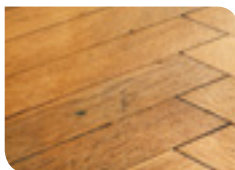
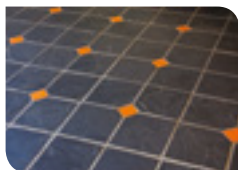
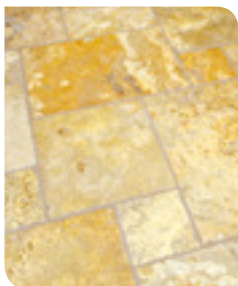
Which system is right for you?

Choosing the right system for your floor covering can seem confusing. Follow our handy guide to which underfloor heating system is best suited to your floor finish and requirements.

Heat Mat manufactures a number of underfloor heating mats and cables for different applications. There is a system for almost any floor covering.

Your floor covering will have a big impact on your choice of systems. You may also have a choice of output if you choose a mat or loose cable system, so make sure you match the system output to your requirements.

The first question to ask when choosing your underfloor heating system is what will be going on top?



		Floor Type						
		Tile	Stone	Engineered Wood	Laminate	Vinyl	Carpet	Concrete
System	110W Heating Mats	✓	✗	✗	✗	✗	✗	✗
	160W Heating Mats	✓	✓	✗	✗	✗	✗	✗
	110W/160W Mats & Levelling Compound	✓	✓	✓	✓	✓	✓	✓
	200W Heating Mats	✓	✓	✗	✗	✗	✗	✓
	Loose cable (3mm or FlexHeat)	✓	✓	✗	✗	✗	✗	✓
	Underlamine system	✗	✗	✓	✓	✗	✗	✗
	Combymat system	✗	✗	✓	✓	✗	✗	✗
	Combymat with overlay boards	✗	✗	✗	✗	✓	✓	✗
	In-Screed cable	✓	✓	✓	✓	✓	✓	✓

If you have any questions our dedicated and expert technical support team can assist you on 01444 247020.



Key benefits of each system

System	Benefits
110W Heating Mats	<ul style="list-style-type: none"> ✓ Best suited to energy-efficient properties ✓ Lowest power supply requirement per square metre ✓ Very low build height
160W Heating Mats	<ul style="list-style-type: none"> ✓ Powerful enough to heat moderately well insulated rooms ✓ Faster reacting than an in-screed system of the same power ✓ Very low build height
110W/160W Heating Mats & Levelling Compound	<ul style="list-style-type: none"> ✓ Suitable for use beneath virtually any floor covering ✓ A very hard wearing system for vinyl and carpet floors ✓ Floor coverings can be changed without affecting the system
200W Heating Mats	<ul style="list-style-type: none"> ✓ Powerful enough to heat high heat loss rooms like conservatories ✓ Fastest warm-up time of all Heat Mat systems ✓ Faster reacting than an in-screed system of the same power
Loose Cable (3mm or FlexHeat)	<ul style="list-style-type: none"> ✓ Ideal for small or complicated rooms, can easily be fitted around fixed units ✓ Alter the heat output by adjusting the space between the cables ✓ Great value option and simple to install
Underlamine System	<ul style="list-style-type: none"> ✓ Low build height with 6mm insulation supplied as part of the system ✓ Fully earthed so safe for use in all rooms including bathrooms ✓ No need for levelling compound or other wet trade
Combymat System	<ul style="list-style-type: none"> ✓ Very cost-effective system ✓ Low build height, and 6mm insulation supplied as part of the system ✓ No need for levelling compound or other wet trade
Combymat with Overlay Boards	<ul style="list-style-type: none"> ✓ Heat beneath carpet and vinyl without needing a levelling compound ✓ Low build height with 6mm insulation supplied as part of the system ✓ Fast to install – entire installation can be carried out in a day as there is no wet trade
In-Screed Cable	<ul style="list-style-type: none"> ✓ The most cost-effective system to purchase and install ✓ Provide whatever output you require by altering the distance between cables ✓ No extra build height - the system sits within a screed layer ✓ Perfect for utilising the energy from PV systems as they can charge up the screed layer during the day, like a night storage radiator
Thermal Insulation Boards	<ul style="list-style-type: none"> ✓ Use beneath heating mats and cables to dramatically improve the warm-up time and energy efficiency of a system ✓ In badly insulated areas they can pay for themselves in as little as three years through energy savings ✓ Can be used to strengthen existing floors rather than using ply boards

Frequently asked questions

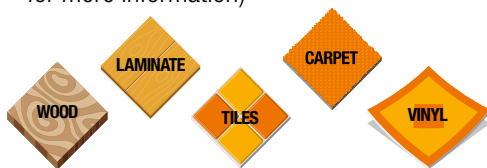
What are the benefits of electric underfloor heating?

- Easy to install – our cut-and-turn mats and loose cables are fast to fit
- Spreads heat evenly as warm air rises from the entire floor surface
- Maintenance free – there are no ongoing upkeep or servicing costs
- Minimises dust and allergens – prevents dust circulating unlike radiators
- Can be retrofitted – ideal for renovation projects

Which system do I need?

The most suitable type of system for your space depends on a number of factors:

- The size of the room
- How well insulated the space is
- The purpose – if the system supplements radiators or is the only heating source
- The floor base underneath
- The floor covering on top (see pages 4 & 5 for more information)



There are a variety of Heat Mat systems available for installation under a huge range of floor coverings from tile and wood, to carpet or vinyl. Use our loose wire systems for small awkward spaces; heating mats for larger spaces; and 6mm In-screed cables for cost-effective, ground-up installations.

How much does electric underfloor heating cost to run?

Although some people believe underfloor heating is expensive to run, the reality is that both the initial installation fee and the ongoing running costs can represent great value for money.

It costs less than 10p to run 1m² of underfloor heating at maximum power for six hours.



Our most cost-effective system, the 6mm In-screed cable, costs from as little as £20.50 per square metre including VAT and a touchscreen thermostat. Once installed there are no ongoing maintenance costs.

The running costs of a Heat Mat system will depend on the following:

- How well insulated the room is
- The output and type of system
- Your energy tariff
- The thermostat settings you choose

Examples of monthly running costs*

Room Type	Heated Area m ²	AM Heating Hours	PM Heating Hours	Monthly cost
En-suite	2.5	2	1	£1.82
Bathroom	3.5	2	2	£3.16
Kitchen	6	0	2	£4.39
Lounge	10	1	3	£10.80
Conservatory	12	0	4	£16.89

*These figures are based on Heat Mat's 160W/sqm heating mats laid directly onto 10mm Heat Mat Thermal insulation boards with porcelain tiles above in a property meeting the latest Part L Building Regulations standard. The energy cost of 8.610p kWh is based on Sainsbury's Energy SE Fixed Price June 2017 deal. Prices are correct as of June 2016. Source – www.uswitch.com
For more details on assumptions see www.heatmat.co.uk/running-costs



Underfloor Heating Mats



110W Underfloor heating mats suitable for energy-efficient, well insulated homes

Product code	Coverage (m ²)	Length(m)	Wattage (W)
All Heat Mat underfloor heating mats are 0.5m wide			
PKM-110-0110	1.1	2.2	120W
PKM-110-0140	1.4	2.8	150W
PKM-110-0200	2.0	4.0	220W
PKM-110-0300	3.0	6.0	320W
PKM-110-0410	4.1	8.2	450W
PKM-110-0490	4.9	9.8	540W
PKM-110-0580	5.8	11.6	660W
PKM-110-0700	7.0	14.0	770W
PKM-110-0830	8.3	16.6	930W
PKM-110-0900	9.0	18.0	1020W
PKM-110-1020	10.2	20.4	1090W
PKM-110-1150	11.5	23.0	1250W

- Ideal for energy-efficient properties
- Quick and easy to install
- 3mm cable for low build height
- Pre-spaced heating cable
- Lifetime warranty



Our ultra-thin high-quality heating mats are ideal for new builds, or well insulated, energy-efficient

properties, where a low heat output is sufficient.

The 110W mat is very economical over larger areas due to the lower power consumption. This system is particularly suited to Passivhaus and sustainable properties. They are also suitable for projects where a limited power supply is available.



Underfloor Heating Mats

160W

160W Underfloor heating mats – suitable for almost any floor covering

- Our most popular system
- Suitable for almost any floor covering
- Quick and easy to install
- 3mm cable for low build height
- Lifetime warranty

160W mats are fast reacting and high-quality making them suitable for the majority of applications. 160W mats can be installed beneath almost any floor covering if covered with a levelling compound. They can be used for sole source heating in well insulated spaces or to warm the floor if alternative heating is present.

Product code	Coverage (m ²)	Length(m)	Wattage (W)
All Heat Mat underfloor heating mats are 0.5m wide			
PKM-160-0070*	0.7	1.4	120W
PKM-160-0110	1.1	2.2	179W
PKM-160-0150	1.5	3.0	245W
PKM-160-0200	2.0	4.0	327W
PKM-160-0230	2.3	4.6	380W
PKM-160-0280	2.8	5.6	457W
PKM-160-0310	3.1	6.2	509W
PKM-160-0370	3.7	7.4	601W
PKM-160-0440	4.4	8.8	720W
PKM-160-0520	5.2	10.4	854W
PKM-160-0620	6.2	12.4	1040W
PKM-160-0680	6.8	13.6	1113W
PKM-160-0770	7.7	15.4	1275W
PKM-160-0870	8.7	17.4	1439W
PKM-160-1040	10.4	20.8	1700W
PKM-160-1160	11.6	23.2	1856W



*The 0.7m 160W heating mat is not currently BEAB approved



Underfloor Heating Mats

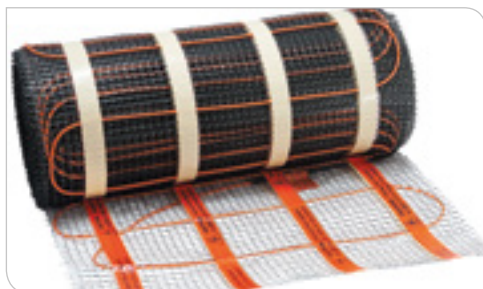


200W Mats – a powerful heating system for use beneath tile and stone

Product code	Coverage (m ²)	Length (m)	Wattage (W)
All Heat Mat underfloor heating mats are 0.5m wide			
PKM-200-0060	0.6	1.2	130W
PKM-200-0100	1.0	2.0	208W
PKM-200-0160	1.6	3.2	310W
PKM-200-0200	2.0	4.0	405W
PKM-200-0260	2.6	5.2	512W
PKM-200-0280	2.8	5.6	576W
PKM-200-0350	3.5	7.0	719W
PKM-200-0420	4.2	8.4	854W
PKM-200-0540	5.4	10.8	1083W
PKM-200-0600	6.0	12.0	1196W
PKM-200-0670	6.7	13.4	1353W
PKM-200-0750	7.5	15.0	1504W
PKM-200-0890	8.9	17.8	1769W
PKM-200-0990	9.9	19.8	1973W

- **Highest output heating mats**
- **Ideal for high heat loss rooms**
- **Quick and easy to install**
- **3mm cable for low build height**
- **Lifetime warranty**

Our 200W high-output heating mats have the fastest warm-up times. They are ideal for sole source heating in spaces where central heating is not available, such as conservatories and high heat loss rooms. 200W mats must only be used under tile or stone floors.



Combymat System



150W Combymat system – a versatile system suitable for laminate, carpet and vinyl floors

- **No need for levelling compound**
- **Quick and easy to install**
- **Fit directly beneath laminate floors**
- **Combine with overlay boards for carpet and vinyl floors**
- **Lifetime warranty**

Our 150W Combymat system is designed to provide sole source heating beneath a wide variety of floor coverings without the need for a levelling compound. Use directly beneath floating laminate and engineered board floors, or combine with the overlay boards for carpet and vinyl floors.

All Combymats must be installed on top of the 6mm Combymat underlay and aluminium tape should always be used to help spread the heat evenly over the floor.

Product code	Coverage (m ²)	Length (m)	Wattage(m)
All Heat Mat underfloor heating mats are 0.5m wide			
CBM-150-0100	1.0	2.0	150W
CBM-150-0150	1.5	3.0	225W
CBM-150-0200	2.0	4.0	300W
CBM-150-0250	2.5	5.0	375W
CBM-150-0300	3.0	6.0	450W
CBM-150-0350	3.5	7.0	525W
CBM-150-0400	4.0	8.0	600W
CBM-150-0450	4.5	9.0	675W
CBM-150-0500	5.0	10.0	750W
CBM-150-0600	6.0	12.0	900W
CBM-150-0700	7.0	14.0	1050W
CBM-150-0800	8.0	16.0	1200W
CBM-150-0900	9.0	18.0	1350W
CBM-150-1000	10.0	20.0	1500W
CBM-150-1200	12.0	24.0	1800W
CBM-150-1500	15.0	30.0	2250W
Product code	Description		
CMB-INS-0006	6m ² of insulation		
CMB-ALU-TAPE	Aluminium tape suitable for Combymat		
CMB-OVE-0280	2.88m ² of 7mm Combymat overlay boards		



Underlamine Heating Mats



130W Underlamine heating mats – suitable for floating laminate and engineered wood up to 18mm thick

Product code	Coverage (m ²)	Length (m)	Wattage (W)
All Heat Mat underfloor heating mats are 0.5m wide			
ULS-130-0100	1.0	2.0	130W
ULS-130-0150	1.5	3.0	195W
ULS-130-0200	2.0	4.0	260W
ULS-130-0250	2.5	5.0	325W
ULS-130-0300	3.0	6.0	390W
ULS-130-0400	4.0	8.0	520W
ULS-130-0500	5.0	10.0	650W
ULS-130-0600	6.0	12.0	780W
ULS-130-0700	7.0	14.0	910W
ULS-130-0800	8.0	16.0	1040W
ULS-130-0900	9.0	18.0	1170W
ULS-130-1000	10.0	20.0	1300W
DEC-006-0006	6m ² pack of 10 boards of XPS foam insulation		
ULS-TAP-ALUM	50mm x 45m aluminium tape to secure the mats		

- **Only for use with traditional tongue and groove or click system laminate flooring**
- **No need for levelling compound**
- **Quick and easy to install**
- **Fully earthed for safety**
- **Manufactured in the UK**
- **Lifetime warranty**

Our 130W underlamine mats are fully earthed and designed to provide floor warming in all rooms or sole source heating in well insulated areas. The mats feature an integrated earth shield and an aluminium dissipation layer to spread the heat out from the cable.

The installation requires the system to be fitted onto 6mm XPS foam boards using an aluminium tape to secure the mats. These fixing accessories will help to distribute heat evenly across the floor.



Manufactured in the UK

Email sales@heatmat.co.uk Follow us at @HeatMatLimited



Underfloor Heating Cables

3mm



Heat Mat's high-quality underfloor heating cables are a flexible solution for heating any room shape or size

- **Flexible install – for awkward shapes**
- **High-quality, robust 3mm cable**
- **Lifetime warranty**
- **Cost-effective underfloor heating**
- **Ultra-thin cable for low build height**

The ultra-thin heating cable system includes a 3mm wire that can easily be fitted into small or complicated spaces, e.g. bathrooms with fixed units.

Adjusting the cable spacing during installation can alter the output of the 3mm cable system, providing concentrated heat where it is most needed such as in draughty doorways.

Product code	Unit power (W)	Length (m)	Coverage at 200W/m ² c-c 7cm	Coverage at 150W/m ² c-c 9.25cm	Coverage at 100W/m ² c-c 14cm
PKC-3.0-0130	130W	9.2	0.6 m ²	0.9 m ²	1.2 m ²
PKC-3.0-0212	212W	15	1.0 m ²	1.4 m ²	2.1 m ²
PKC-3.0-0316	316W	23	1.6 m ²	2.1 m ²	3.2 m ²
PKC-3.0-0407	407W	30	2.0 m ²	2.7 m ²	4.0 m ²
PKC-3.0-0518	518W	37	2.6 m ²	3.4 m ²	5.2 m ²
PKC-3.0-0577	577W	41	2.9 m ²	3.8 m ²	5.8 m ²
PKC-3.0-0719	719W	51	3.6 m ²	4.8 m ²	7.2 m ²
PKC-3.0-0855	855W	61	4.2 m ²	5.7 m ²	8.4 m ²
PKC-3.0-1086	1086W	78	5.4 m ²	7.2 m ²	10.8 m ²
PKC-3.0-1207	1207W	86	6.0 m ²	8.0 m ²	12.0 m ²
PKC-3.0-1350	1350W	97	6.8 m ²	9.0 m ²	13.6 m ²
PKC-3.0-1507	1507W	108	7.6 m ²	10.0 m ²	15.2 m ²
PKC-3.0-1772	1772W	128	8.9 m ²	11.8 m ²	17.8 m ²
PKC-3.0-1983	1983W	141	9.9 m ²	13.2 m ²	19.8 m ²
PKC-3.0-2250	2250W	160	11.2 m ²	15.0 m ²	22.4 m ²
PKC-3.0-2406	2406W	171	12.0 m ²	16.0 m ²	24.0 m ²



Underfloor Heating Cables

FlexHeat

FlexHeat is a great value off-the-shelf cable system suitable for use in any room

- **Our most cost-effective undertile heating system**
- **A flexible and convenient solution in popular heating kit sizes**
- **An affordable alternative to leading cable kits**
- **Available with integrated primer to reduce downward heat loss**
- **Lifetime warranty**

Like the 3mm undertile cable, FlexHeat is ideal for small or complicated spaces and offers you the flexibility to fit a system around existing obstacles.

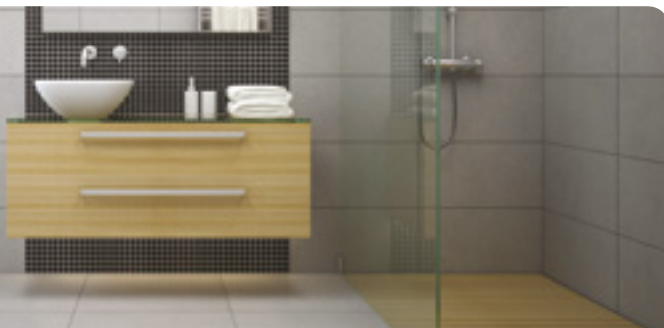
FlexHeat is available in a cost-effective kit, with or without a thermal primer, from stockists nationwide. Complete heating systems start from as little as £149 (ex VAT) RTP.

Product code	Coverage (m ²)	Wattage (W)
FLX-CAB-0200	1.0-1.5	200W
FLX-CAB-0300	1.6-2.2	300W
FLX-CAB-0400	2.3-3.0	400W
FLX-CAB-0600	3.1-4.4	600W
FLX-CAB-0800	4.5-5.9	800W
FLX-CAB-1000	6.0-6.9	1000W
FLX-CAB-0600 x2	7.0-8.4	1200W
FLX-CAB-1400	8.5-9.9	1400W
FLX-CAB-1600	10.0-11.0	1600W



Underfloor Heating Cables

6mm In-Screed



**The most cost-effective system we offer.
It can be used to heat a whole house or a
single room underneath a screed**

- **Quick and simple to install onto reinforcement fabric**
- **Our most affordable underfloor heating solution**
- **No increase in build height**
- **Fixing strip available**
- **Extended warranty**

No allowance for build height is required because the system sits within a screed bed. If the system is fitted at 150W/sqm almost any floor covering can be fitted on top.

The 6mm cable is exceptionally fast to install, it can be tied onto reinforcement fabric, making it ideal for new developments, renovation projects or extensions.

Product code	Unit power (W)	Length (m)	Coverage at 200W/m ² c-c 10cm	Coverage at 175W/m ² c-c 12.5cm	Coverage at 150W/m ² c-c 15cm	Coverage at 125W/m ² c-c 17.5cm
PKC-6.0-0120	120W	5.8	0.6 m ²	0.7 m ²	0.8 m ²	1.0 m ²
PKC-6.0-0220	220W	10	1.1 m ²	1.3 m ²	1.5 m ²	1.8 m ²
PKC-6.0-0330	330W	15	1.7 m ²	1.9 m ²	2.2 m ²	2.6 m ²
PKC-6.0-0440	440W	20	2.2 m ²	2.5 m ²	3.0 m ²	3.5 m ²
PKC-6.0-0550	550W	25	2.8 m ²	3.1 m ²	3.7 m ²	4.4 m ²
PKC-6.0-0640	640W	30	3.2 m ²	3.6 m ²	4.4 m ²	5.1 m ²
PKC-6.0-0750	750W	36	3.8 m ²	4.3 m ²	5.1 m ²	6.0 m ²
PKC-6.0-0950	950W	44	4.8 m ²	5.4 m ²	6.5 m ²	7.6 m ²
PKC-6.0-1070	1070W	50	5.4 m ²	6.1 m ²	7.3 m ²	8.6 m ²
PKC-6.0-1380	1380W	64	6.9 m ²	7.8 m ²	9.4 m ²	11.0 m ²
PKC-6.0-1530	1530W	71	7.7 m ²	8.7 m ²	10.4 m ²	12.2 m ²
PKC-6.0-1800	1800W	84	9.0 m ²	10.2 m ²	12.2 m ²	14.4 m ²
PKC-6.0-2190	2190W	101	11.0 m ²	12.4 m ²	14.9 m ²	17.5 m ²
PKC-6.0-2770	2770W	130	13.9 m ²	15.7 m ²	18.8 m ²	22.2 m ²
PKC-6.0-3530	3530W	163	17.7 m ²	20.1 m ²	24.0 m ²	28.2 m ²
PRA-111-0002	25m fixing strip for 6 and 7mm cable					



Thermal Insulation Boards



Boost energy efficiency and benefit from faster warm-up times



Product code	Coverage (m ²)	Thickness (mm)	Pack size
All thermal insulation boards are 1.2m L x 0.6m W			
TTB-004-4PCK	2.88	4	4 Boards
TTB-004-5PCK	3.60	4	5 Boards
TTB-006-5PCK	3.60	6	5 Boards
TTB-006-6PCK	4.32	6	6 Boards
TTB-006-7PCK	5.04	6	7 Boards
TTB-006-8PCK	5.76	6	8 Boards
TTB-010-4PCK	2.88	10	4 Boards
TTB-010-5PCK	3.60	10	5 Boards
TTB-010-6PCK	4.32	10	6 Boards
TTB-010-7PCK	5.04	10	7 Boards
TTB-020-0004	3.60	20	5 Boards

- **Minimise downward heat loss**
- **Guarantees no floor movement**
- **Can withstand a load of 30 tonne/m²**
- **Manufactured in the UK, BBA approved**
- **4mm, 6mm, 10mm or 20mm thicknesses available from stock**

Our thermal insulation boards are specifically designed for electric underfloor heating and will improve the energy efficiency and warm-up time of a system.

The waterproof boards are constructed with a concrete exterior for strength; this also helps to evenly spread the heat over the floor.

The cost of installing insulation boards can be recouped in as little as three years through electricity cost savings.

Thermal Insulation Board Accessories	
TTB-111-0020	Thermal insulation board reinforcement tape – 20m roll suitable for 8m ² of boards
TTB-111-0090	Thermal insulation board reinforcement tape – 90m roll suitable for 36m ² of boards
TTB-111-1000	Screws and washers for fixing 10mm and 6mm insulation board onto floorboards (50 per pack – enough for 3 boards)
ACC-PRI-0001	Thermal primer 0.5 Litre
ACC-PRI-0002	Thermal primer 1.0 Litre

 Made in the UK

Email sales@heatmat.co.uk Follow us at @HeatMatLimited

HeatMat
Underfloor Heating

Thermostats

NGTouch



An easy-to-use touchscreen thermostat

- Easy to install and use
- Full colour screen
- Features Eco mode for energy saving
- Program 4 or 6 heating events per day
- Made in Denmark
- Lifetime warranty



Product code	Description
NGT-2.0-STND	Polar white with colour screen – 16A
NGT-2.0-SILV	Silver with colour screen – 16A
NGT-2.0-BLCK	Gloss black with colour screen – 16A

The NGTouch is a contemporary touchscreen thermostat with a full colour resistive touchscreen. A number of easy-to-use lifestyle modes are available for quick temperature control, including comfort, holiday, frost protection and boost.

The 16Amp thermostat can easily be programmed to suit the owner's routine with 4 or 6 heating 'events' available per day from morning to overnight.



The NGTouch is a hassle free and affordable controller. Compatible with all brands of electric underfloor heating.



Thermostats

NGTouch Features

Total control for your underfloor heating is now at your fingertips



Comfort mode

This is a temporary override to the current program you are running. It allows you to

adjust the target temperature for a specific period of time.



Boost mode – a cosy option for a short burst of heat

Boost enables you to switch

to full power to rapidly heat a room. Boost is ideal for a short burst of warmth and lasts for one hour.



Holiday mode – return to a warm home

You can turn off your heating when you go on holiday and it will automatically turn back on for your return based on the dates you program.



Frost protection – prevent your floor from freezing

Frost protection might

be used when you're on holiday or for unattended properties left for long periods of time in the winter. The thermostat turns the underfloor heating off, but maintains a floor temperature of 5°C.



Easy energy saving

The NGTouch displays energy use data by week, month or year to help

with energy monitoring.



ECO mode

Eco mode allows you to pause the system when you leave a room, or the house, during a scheduled heating program.

Premium thermostat finishes

NGTouch Premium

The NGTouch thermostat can be combined with stylish square frames in premium materials such as polished chrome, brushed aluminium or glass

- Luxurious finishes
- Silver, black or white thermostat screens
- Mix and match colours and materials



TOU-SIL-CHRM



TOU-BLK-BLCK



TOU-SIL-MINT



TOU-SIL-ALUM



TOU-WHT-WHTE



TOU-SIL-SSTL



Product code	Description
TOU-BLK-SSTL	Black / Stainless Steel NGTouch
TOU-SIL-SSTL	Silver / Stainless Steel NGTouch
TOU-WHT-SSTL	White / Stainless Steel NGTouch
TOU-BLK-ALUM	Black / Aluminium NGTouch
TOU-SIL-ALUM	Silver / Aluminium NGTouch
TOU-WHT-ALUM	White / Aluminium NGTouch
TOU-BLK-GDAU	Black / Gold Aluminium NGTouch
TOU-SIL-GDAU	Silver / Gold Aluminium NGTouch
TOU-WHT-GDAU	White / Gold Aluminium NGTouch
TOU-BLK-BLAU	Black / Black Aluminium NGTouch
TOU-SIL-BLAU	Silver / Black Aluminium NGTouch
TOU-WHT-BLAU	White / Black Aluminium NGTouch
TOU-BLK-CHRM	Black / Chrome NGTouch
TOU-SIL-CHRM	Silver / Chrome NGTouch
TOU-WHT-CHRM	White / Chrome NGTouch
TOU-BLK-BRSS	Black / Brass NGTouch
TOU-WHT-BRSS	White / Brass NGTouch
TOU-BLK-BLCK	Black / Black Glass NGTouch
TOU-SIL-BLCK	Silver / Black Glass NGTouch
TOU-WHT-BLCK	White / Black Glass NGTouch
TOU-BLK-WHTE	Black / White Glass NGTouch
TOU-SIL-WHTE	Silver / White Glass NGTouch
TOU-WHT-WHTE	White / White Glass NGTouch
TOU-BLK-MINT	Black / Mint Glass NGTouch
TOU-SIL-MINT	Silver / Mint Glass NGTouch
TOU-WHT-MINT	White / Mint Glass NGTouch
TOU-BLK-UMBR	Black / Umber Glass NGTouch
TOU-SIL-UMBR	Silver / Umber Glass NGTouch
TOU-WHT-UMBR	White / Umber Glass NGTouch



neoStat-e Wireless Thermostats



neoStat-e

A stylish touch button thermostat available with or without a wireless hub for remote underfloor heating control. The neoStat-e can be controlled from a smartphone via an app if used in conjunction with the neoHub



- **Simple-to-use**
- **Control your heating from your smartphone**
- **Uses geo-location via a mobile phone to know when to turn the heating on/off**
- **Control up to 32 rooms wirelessly**
- **Energy saving function**
- **Available in white, black or silver**

Product code	Description
NEO-16A-WHIT	16A White wireless thermostat
NEO-16A-BLCK	16A Black wireless thermostat
NEO-16A-SILV	16A Silver wireless thermostat
NEO-KIT-WHIT	16A White thermostat and wireless hub
NEO-KIT-BLCK	16A Black thermostat and wireless hub
NEO-KIT-SILV	16A Silver thermostat and wireless hub



IP20
Rated



TPS Manual Thermostats

Easy-to-use 16Amp manual on/off thermostat

- Simple-to-use manual controller
- The ideal choice when no timer is required
- Infrared version available which does not require a floor sensor



The TPS is simple to control using up and down arrows (red/blue) to increase or decrease the temperature of your underfloor heating. The TPS monitors both room and floor temperature and includes a frost protection mode to protect the floor from freezing.

Product code	Description
TPS-345-0030	Manual digital thermostat – 16A
TPS-INF-0030	Manual wired infrared digital thermostat

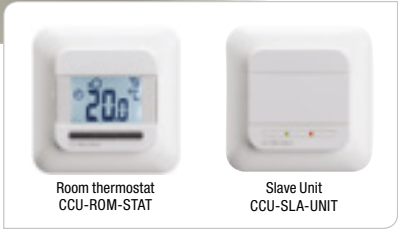


Programmable thermostats

An easy-to-use programmable thermostat and central control unit

- Integrated energy monitor
- Open field range of 100 metres
- Wirelessly control up to 15 rooms

The central control unit allows automated control of multiple rooms. A standard programmable thermostat is also available in this range. The NGT is easy to use and monitors energy usage.



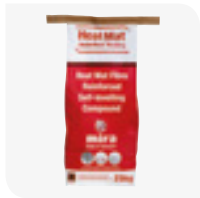
Product code	Description
CCU-CEN-CTRL	16A Wireless central control unit
CCU-ROM-STAT	16A Wireless room thermostat
CCU-SLA-UNIT	16A Panel heater slave unit
NGT-567-0010	16A Ivory digital thermostat



Underfloor Heating Accessories

Self-levelling Compound

- **Fast drying, allows further surface treatment after 6 hours**
- **Minimum of 12mm required for underfloor heating**



Our self-levelling compound is specifically designed for use with electric underfloor heating and is suitable for all floor coverings.

The compound is poured onto your chosen heating system to provide an even surface for the final floor covering. It is essential the correct primer is also used with levelling compound. We can supply this and advise you on the appropriate volume based on room size.

An essential item when using the following floor coverings: vinyl, carpet, laminate or engineered wood over 18mm thick.

Cable Trace Lite

- **Identify where heating cables are beneath most floor coverings including tile and laminate**
- **Allows safe installation of door stops and towel rails**
- **Cost-effective diagnostic device**



Our Cable Trace is a diagnostic device for locating heating cables. The heat-sensitive sheet allows you to accurately find heating cables under the floor.

Cable Safe Monitor

- **Simple-to-use – alarm indicates damage to the cable**
- **Detect faults before the final floor installation is completed**



Our Cable Safe monitor is a safety appliance for monitoring underfloor heating systems during installation.

You simply connect the live, neutral and earth wires to the monitor and an alarm will sound if any cable damage is detected.

Repair Kits



We offer repair kits for any accidental damage to our heating mats and cable systems. For post-install

faults that require further investigation please contact our technical team on **01444 247020**.

Product code	Description
MIR-THE-0025	25kg Bag of self-levelling compound
MIR-THE-0001	Levelling compound barriers x 25
MIR-PRI-0001	1 Litre primer for use with self-levelling compound
MIR-PRI-0007	7.5 Litre primer for use with self-levelling compound
ACC-CAB-SAFE	Cable Safe monitor for fault detection
ACC-CAB-TRALI	Heat sensitive Cable Trace device
HCA-111-0006	Repair kit for 3mm cable and mats
HCA-111-0007	Repair kit for 6 or 7mm cable
HCA-111-0003	Replacement floor sensor for use with all Heat Mat thermostats (except the neoStat-e)



demista™ by Heat Mat – Mirror demister pads automatically keep mirrors steam free

- **Keep mirrors steam free**
- **Low power consumption**
- **No thermostat required**
- **12V SELV and bespoke options available**
- **Lifetime warranty**



Heat Mat's range of mirror demisters, manufactured by *demista™*, automatically keep

mirrors steam free after bathing or showering allowing mirrors to be used at all times.

Mirror demisters are available in standard 230V for a wide range of bathroom mirrors or a low voltage SELV variation when required for wet rooms.

Mirror demisters are available for all bathroom zones and can easily be wired through the lighting circuit so they only heat when the bathroom is in use.



Product code	demista™ code	Size (mm)	Wattage (W)
230V Mirror demisters			
MRH-274-0150	7005	274 x 150	7W
MRH-274-0265	7010	274 x 265	15W
MRH-274-0584	7020	274 x 584	25W
MRH-300-0800	7033	300 x 800	48W
MRH-400-0450	7025	400 x 450	36W
MRH-524-0520	7030	524 x 520	50W
MRH-524-0785	7035	524 x 785	80W
MRH-524-1040	7040	524 x 1040	100W
MRH-524-1505	7050	524 x 1505	150W
12V Mirror demisters SELV			
M12-274-0150	7505	274 x 150	7W
M12-274-0265	7510	274 x 265	15W
M12-274-0574	7520	274 x 574	25W
M12-300-0800	7533	300 x 800	48W
M12-400-0450	7525	400 x 450	36W
M12-524-0520	7530	524 x 520	50W
M12-524-0810	7535	524 x 810	80W
M12-524-1040	7540	524 x 1040	100W
M12-524-1550	7550	524 x 1550	150W
12V Mirror demister transformers			
TRA-OPT-PRIM	12V SELV Mirror Heater Transformer 5-15W		
TRA-ULT-MAGN	12V SELV Mirror Heater Transformer 20-55W		
TRA-MEG-TRON	12V SELV Mirror Heater Transformer 35-75W		
TRA-BMB-LBEE	12V SELV Mirror Heater Transformer 35-105W		
TRA-STA-SCRM	12V SELV Mirror Heater Transformer 50-150W		

Mirror Demisters

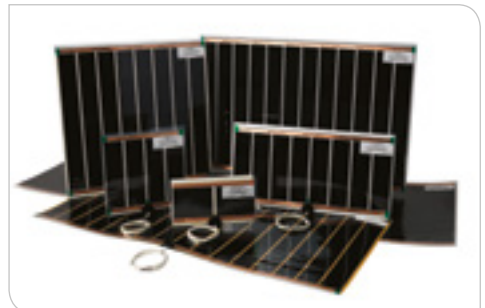


Ideal for hotel projects or new apartment developments
The only stockist of the complete range of *demista*[™]

Product code	demista [™] code	Size (mm)	Wattage (W)
230V Units			
MRH-700-0780	7070/800	700 x 780	104W
MRH-700-0908	7070/900	700 x 908	121W
MRH-700-1036	7070/1000	700 x 1036	138W
MRH-700-1100	7070/1100	700 x 1100	147W
MRH-700-1228	7070/1200	700 x 1228	164W
MRH-700-1292	7070/1300	700 x 1292	173W
MRH-700-1420	7070/1400	700 x 1420	190W
MRH-700-1484	7070/1500	700 x 1484	199W
MRH-700-1612	7070/1600	700 x 1612	216W
MRH-700-1676	7070/1700	700 x 1676	225W
MRH-700-1804	7070/1800	700 x 1804	242W
MRH-700-1932	7070/1900	700 x 1932	260W
MRH-700-1996	7070/2000	700 x 1996	268W
MRH-700-2124	7070/2100	700 x 2124	286W
MRH-700-2252	7070/2200	700 x 2252	294W
MRH-700-2316	7070/2300	700 x 2316	312W
MRH-700-2380	7070/2400	700 x 2380	329W
MRH-700-2508	7070/2500	700 x 2508	337W

- **Backed up by Heat Mat's no-quibble lifetime warranty**
- **Most orders can be supplied next working day direct from stock**
- **Quantity discounts available on orders of 5 or more**
- **Competitive project pricing applied for orders over 150 units**
- **Bespoke sizes available**

Mirror demisters are ideal for hotel developments or projects with multiple bathrooms. We offer custom-made sizes of mirror demisters as part of our bespoke service.



Made in the UK

Wall Heating Mats & Heat Mat Bespoke

Wall heating mats

Wall heating mats are an excellent secondary heat source in bathrooms, en-suites and wetrooms. The mats can be used to speed up the drying of walls, or be fitted instead of heated towel rails.

They can also be installed as an alternative to radiators or used to supplement a primary heat source in other rooms by providing additional ambient heating.

- **Ideal for tiled bathrooms, en-suites and wetrooms**
- **Dry towels instead of a heated towel rail**
- **Suitable for hotels, spas and changing rooms**
- **Space saving alternative to radiators**



Product code	Description
WHM-160-0070	0.7m ² 120W 0.5 x 1.4m Wall heating mat
WHM-160-0110	1.1m ² 179W 0.5 x 2.2m Wall heating mat
WHM-160-0150	1.5m ² 245W 0.5 x 3.0m Wall heating mat
WHM-160-0200	2.0m ² 327W 0.5 x 4.0m Wall heating mat
WHM-160-0230	2.3m ² 380W 0.5 x 4.6m Wall heating mat
WHM-160-0280	2.8m ² 457W 0.5 x 5.6m Wall heating mat
WHM-160-0310	3.1m ² 509W 0.5 x 6.2m Wall heating mat
WHM-160-0370	3.7m ² 601W 0.5 x 7.4m Wall heating mat



HeatMat *Bespoke*

As the manufacturer of our high-quality heating systems we have the flexibility to custom make versions of our key products to order. We can manufacture products to suit your specification or project.

We offer a bespoke service on a number of products:

- Heating mats with extended coldtails
- Cables for specialist uses
- Custom size mirror demisters for bespoke mirrors
- Insulation boards in bespoke widths and lengths

Speak to our sales team to find out more on 01444 247020



Ice & Snow Melting Systems

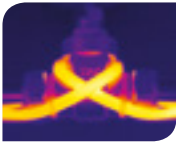
We manufacture a range of first class ice and snow melting systems to protect property and people from winter weather



Driveway, Walkway and Ramp De-icing

We are experts at de-icing driveways and parking ramps. Our solutions enable year-round access to property, by ensuring drives or paths are free from ice and snow.

- **Heated tyre tracks**
- **Hot asphalt cables for new driveways**
- **Temporary heating mats to clear snow**



Trace Heating

Trace heating cables are ideal for commercial or domestic applications

including protection of water pipes, temperature maintenance and preventing snow build-up in gutters.

The cables 'self-regulate' to pinpoint where heat is required to bring the pipe up to temperature.

- **Protect pipes and sprinkler systems from freezing**
- **Pipe temperature maintenance**
- **Roof and gutter de-icing**
- **Protect railway platforms and transport maintenance depots**
- **Prevent frost heave, protect food production containers**



Roof and Gutter Heating

Heat Mat's fully automated roof heating systems are perfect for domestic and commercial properties.

- **Protect flat roofs from snow build-up**
- **Prevent roof collapse or water ingress**
- **Stop snow drifts building up**
- **Reduce potential snow loading to structurally safe levels**
- **Fully automated gutter protection to prevent ice build-up in gutters**
- **Keep walkways safe from falling ice**



Heat Mat PipeGuard

Heat Mat PipeGuard is a simple-to-fit solution

for protecting external pipes in winter. The ready-made unit has an integrated thermostat and is available in various lengths up to 45m.

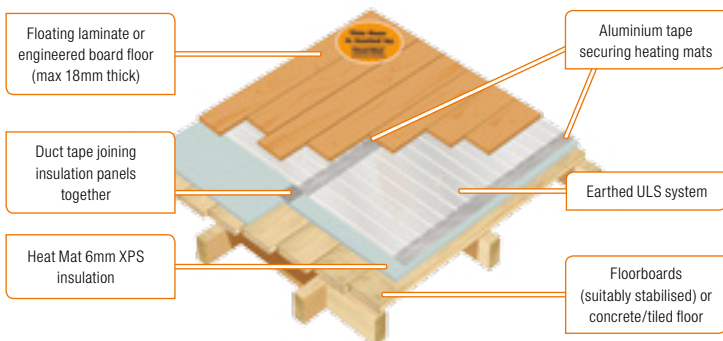
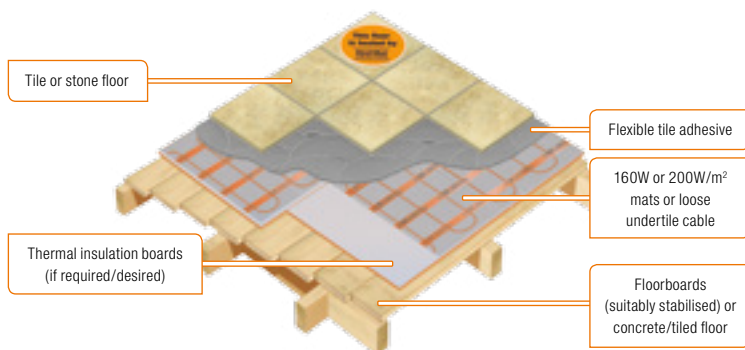
- **Protect outdoor water pipes and taps**
- **Stop pipes bursting**
- **Prevent boiler condensate pipes freezing**
- **Low-cost and easy-to-install**
- **10 year warranty**

Floor Build-ups

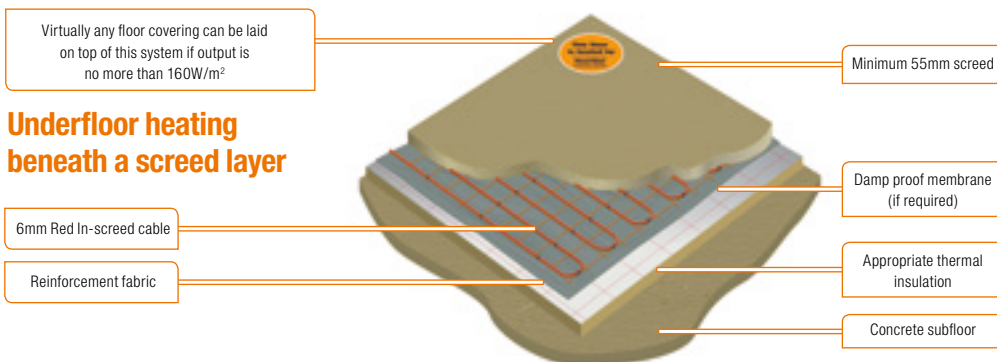
Not sure which layer goes down first or what to put underneath heating mats?

The following illustrations show the different layers of materials in the most common underfloor heating installations, from floor base to final floor covering. For further assistance with your installation please call Heat Mat's technical team on 01444 247020.

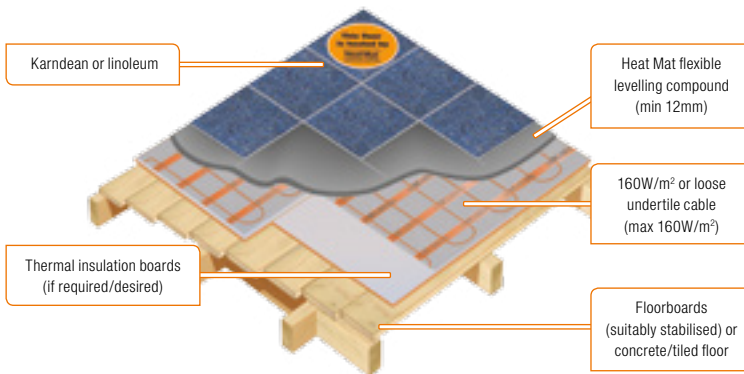
Underfloor heating beneath tiles or stone



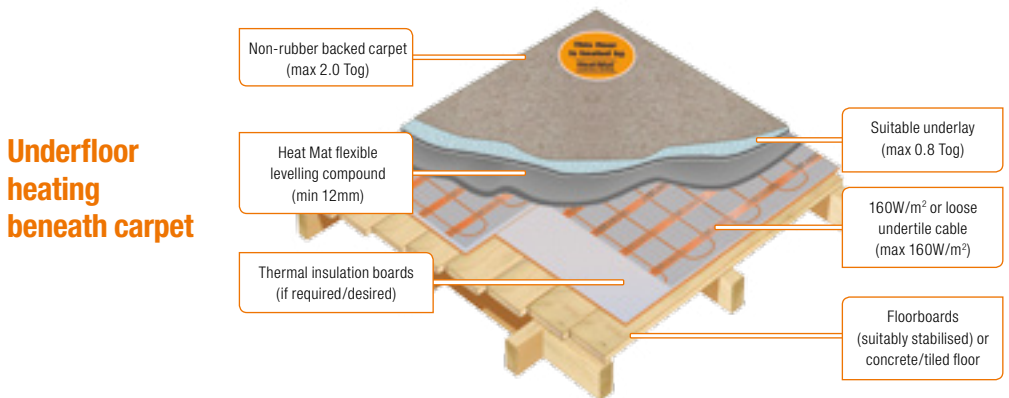
Underfloor heating beneath floating laminate and engineered board floors



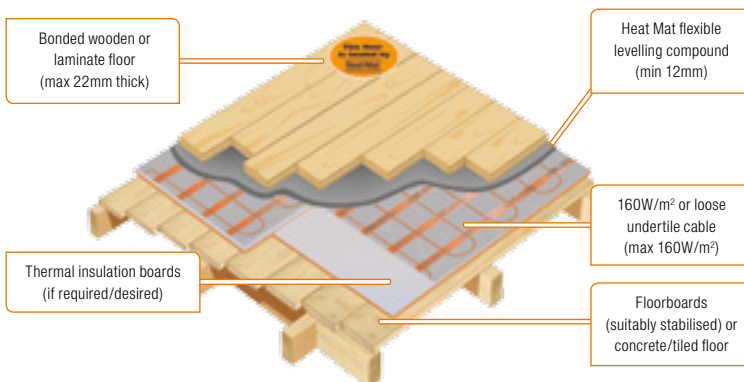
Underfloor heating beneath a screed layer



Underfloor heating beneath Karndean or linoleum



Underfloor heating beneath carpet



Underfloor heating beneath bonded wooden and laminate floors



FREE Installer Training

Award
winning installer
training

ew awards 2016
winner

Become a Heat Mat electric underfloor heating installer on one of our FREE installer training days.

- Product demonstrations
- Fitting guidance
- Hands-on install
- Technical advice
- Lunch and refreshments included
- Installer packs to take away

The topics we cover include:

Electric underfloor heating

- Mats and loose wire cables
- In-screed cables
- Insulation
- Thermostats

Ice & Snow melting

- Frost protection for pipes
- Trace heating
- Driveway, roof and gutter heating
- Thermostats

Our technical experts will be on hand to answer questions and assist with installation, providing invaluable advice and tips for your next job.

Call 01444 247020 or email training@heatmat.co.uk for more details

HeatMat
Underfloor Heating

☎ 01444 247020

🌐 www.heatmat.co.uk

✉ sales@heatmat.co.uk

🐦 @HeatMatLimited

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