



UK's Water & Electric Underfloor Heating Supplier

FREE

NEXT WORKING DAY DELIVERY

Electric Underfloor Heating

Water Underfloor Heating

Manifolds & Pumps

Insulation Boards

Thermostats & Controls

Accessories



Underfloor Heating Express is an online supplier of water and electric underfloor heating products to the trade and DIY customers across the UK. With a huge range of stock we can deliver your orders the next working day, if your order is placed by 1:30pm Monday – Friday.

We have a dedicated team handling all enquiries, orders and accounts, in a professional and friendly manner.



Next Day Delivery



Huge Product Stock



Professional Service

WHY CHOOSE UNDERFLOOR HEATING?

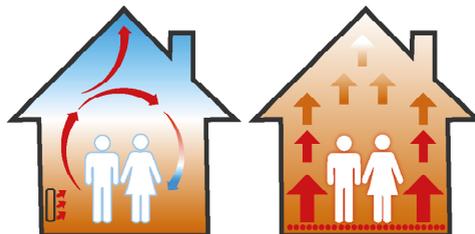
There are a number of benefits that underfloor heating has over traditional heating. Because the heat rises from the floor, the whole room will heat up evenly, unlike radiators. It is environmentally friendly, healthier and can be up to 40% more energy efficient to run, saving you money on your heating bills over time. Both electric and water can be used for any room in the property. Depending on certain factors of your project, one may be better suited than the other. Take into account the size of the room, type of subfloor, power, or water sources and decide which heating option will meet your needs.

Electric Systems are available in a variety of options, including pre laid and spaced cable on a mesh mat, making installation even easier. Loose cable allows you to lay and space the cable to your desired heat output. Both options are suitable for laying underneath tiled flooring.

Our aluminium foil mat is designed to warm under laminate flooring. The cables are 2mm thin, making it perfect for installing on existing floors. The kits are easy to install, but we always recommend the use of a qualified electrician. To ensure the maximum heat, lay our XPS insulation boards on the subfloor first.

Water Systems work in conjunction with your central heating, where warm water is pushed through a system of pipes to heat up a room. Using a single length of pipe means there is less chance of a leak. As the central heating system doesn't have to heat the water to as high a temperature as a radiator, your water heating costs will be lower.

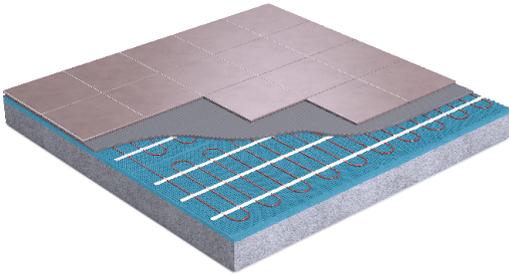
There are options of a single room, or multi room/ zone system, with each zone being able to be controlled individually.



WHICH SOLUTION SHOULD I CHOOSE?

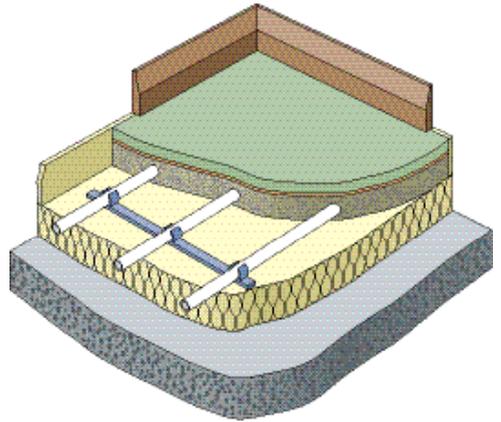
Electric

- Ideal for area less than 24m²
- Ideal for single rooms
- Great for renovations
- Easier and cheaper to install
- Minimal floor level increase
- Easier to install on upper floors



Water

- Ideal for larger area over 25m²
- Ideal for whole house
- Great for new-builds
- Compatible with existing central heating systems
- Extremely efficient
- Cheaper to run



Contents

Electric

Insulation

Water

Thermostats

Pumps

Accessories

Electric Underfloor Heating

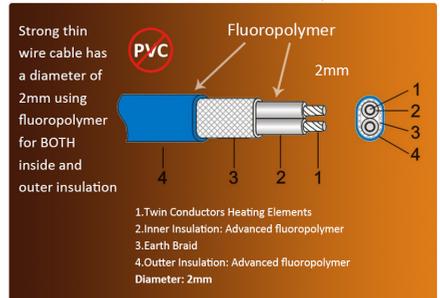
Under Tile Heat Mat

Our system consists of a 2mm thin cabled mat which can be rolled out and cut to shape to fit any room (cable MUST NOT be cut). The mat is pre-woven into a 500mm wide glass fibre sticky back mesh and can be laid directly under the surface to be heated.

Technical Data

- 50 Year Warranty
- Mat Sizes available in 1/1.5/2/2.5/3/4/5/6/7/8/9/10/11/12m²
- Mat Width: 0.5m
- Cable Diameter: 2mm
- High quality teflon advanced installation
- Twin Conductor Heating Cable
- Conductor Insulation Advanced Fluoropolymer
- Outer insulation Advanced Fluoropolymer
- No PVC
- Rated Voltage: 230V
- Lead Wire Length: 2.5m

2 heatmats can be joined together to achieve from 13m² to 24m² for 150w heatmats and from 13m² to 18m² for 200w heatmats (Example – 16m² = 2x 8m² heatmats)



Included with kit:

1. Heat Mat
2. Conduit pipe 2 metre
3. Installation manual

Ideal for;
150w - Bathrooms, Kitchens,
Lounges, Dining Rooms

200w - Extensions, Large rooms and
areas where there is loss of heating.



Product	Order Code 150w	Order Code 200w
1m ² heat mat kit	heatmat150wkit-2mm-1M	heatmat200wkit-2mm-1M
1.5m ² heat mat kit	heatmat150wkit-2mm-1.5M	heatmat200wkit-2mm-1.5M
2m ² heat mat kit	heatmat150wkit-2mm-2M	heatmat200wkit-2mm-2M
2.5m ² heat mat kit	heatmat150wkit-2mm-2.5M	heatmat200wkit-2mm-2.5M
3m ² heat mat kit	heatmat150wkit-2mm-3M	heatmat200wkit-2mm-3M
4m ² heat mat kit	heatmat150wkit-2mm-4M	heatmat200wkit-2mm-4M
5m ² heat mat kit	heatmat150wkit-2mm-5M	heatmat200wkit-2mm-5M
6m ² heat mat kit	heatmat150wkit-2mm-6M	heatmat200wkit-2mm-6M
7m ² heat mat kit	heatmat150wkit-2mm-7M	heatmat200wkit-2mm-7M
8m ² heat mat kit	heatmat150wkit-2mm-8M	heatmat200wkit-2mm-8M
9m ² heat mat kit	heatmat150wkit-2mm-9M	heatmat200wkit-2mm-9M
10m ² heat mat kit	heatmat150wkit-2mm-10M	heatmat200wkit-2mm-10M
11m ² heat mat kit	heatmat150wkit-2mm-11M	heatmat200wkit-2mm-11M
12m ² heat mat kit	heatmat150wkit-2mm-12M	heatmat200wkit-2mm-12M
13m ² heatmat kit	heatmat150wkit-2mm-13M	heatmat200wkit-2mm-13M
14m ² heatmat kit	heatmat150wkit-2mm-14M	heatmat200wkit-2mm-14M
15m ² heatmat kit	heatmat150wkit-2mm-15M	heatmat200wkit-2mm-15M
16m ² heatmat kit	heatmat150wkit-2mm-16M	heatmat200wkit-2mm-16M
17m ² heatmat kit	heatmat150wkit-2mm-17M	heatmat200wkit-2mm-17M
18m ² heatmat kit	heatmat150wkit-2mm-18M	heatmat200wkit-2mm-18M
19m ² heatmat kit	heatmat150wkit-2mm-19M	
20m ² heatmat kit	heatmat150wkit-2mm-20M	
21m ² heatmat kit	heatmat150wkit-2mm-21M	
22m ² heatmat kit	heatmat150wkit-2mm-22M	
23m ² heatmat kit	heatmat150wkit-2mm-23M	
24m ² heatmat kit	heatmat150wkit-2mm-24M	

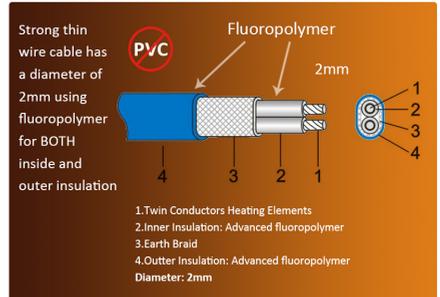
Largest mat size is 12m². When ordering 13m² or higher, you will receive 2 mats to meet you required size, which can be joined parallel to your thermostat

Under Tile Loose Cable

Suitable for under tiles, our system consists of a 230V 18W per linear metre cable which can be rolled out and to fit any shape room. Within the cable is a thin 2mm heating cable.

Technical Data

- 50 Year Warranty
- Metre cable length available – 11.1, 16.7, 22.2, 27.8, 33.3, 38.9, 44.4, 50, 55.5, 66.6, 77.7, 88.8, 99.9, 111, 133.2, 140, 150, 166.5, 180
- 18W Output per Linear Metre
- Cable Diameter: 2mm
- Max. Ambient Temp: 30°C
- Min. Installation Temp: 5°C
- Rated Voltage: 230V
- Lead Wire Length: 2.0m
- Twin Conductor Heating Cable
- Conductor Insulation Fluoropolymer



Included with kit:

1. Cable
2. Conduit pipe 2 metre
3. Tape x 1 roll (2cm*50m)
4. Installation manual

Cable Length	Order Code	100w per M ²	150w per M ²	200w per M ²
11.1m	Loosecable11.1	2 m ²	1.3 m ²	1 m ²
16.7m	Loosecable16.7	3m ²	2 m ²	1.5 m ²
22.2m	Loosecable22.2	4 m ²	2.6 m ²	2 m ²
27.8m	Loosecable27.8	5 m ²	3.3 m ²	2.5 m ²
33.3m	Loosecable33.3	6 m ²	4 m ²	3 m ²
38.9m	Loosecable38.9	7 m ²	4.6 m ²	3.5 m ²
44.4m	Loosecable44.4	8 m ²	5.3 m ²	4 m ²
50m	Loosecable50	9 m ²	6 m ²	4.5 m ²
55.5m	Loosecable55.5	10 m ²	6.66 m ²	5 m ²
66.6m	Loosecable66.6	12 m ²	8 m ²	6 m ²
77.7m	Loosecable77.7	14 m ²	9.33 m ²	7 m ²
88.8m	Loosecable88.8	16 m ²	10.66 m ²	8 m ²
99.9m	Loosecable99.9	18 m ²	12 m ²	9 m ²
111m	Loosecable111	20 m ²	13.33 m ²	10 m ²
133.2m	Loosecable133.2	24 m ²	16 m ²	12 m ²
140m	Loosecable140	25 m ²	16.6 m ²	12.5 m ²
150m	Loosecable150	27 m ²	18 m ²	13.5 m ²
166.5m	Loosecable166.5	300 m ²	20 m ²	15 m ²
180m	Loosecable180	32.4 m ²	21.6 m ²	16 m ²

Cable Spacing

100w per m² - 18cm
 150w per m² - 11cm
 200w per m² - 9cm

Electric Underfloor Heating

Under Wood/Laminate Heat Mat

Aluminium heatmats are suitable for all types of wooden floors, including: laminate, floorboards, solid wood and engineered wood. Flooring thickness must not exceed 18mm. This type of mat is not suitable for vinyl and carpet. Within the mat is a thin 1.0 mm heating cable which is pre-woven into a 500mm wide foil mesh.

Technical Data

- 50 Year Warranty
- Available in 140w per m² output
- Various m² - 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12m²
- Cable Diameter: 1.0 mm
- Lead Wire Length: 3.0 m
- Rated Voltage: 230 V
- Twin Conductor Heating Cable
- Conductor Insulation Fluoropolymer
- Full earth screen providing electrical safety

Product	Order Code
1m ² Foil Mat Kit	AFMAT-KIT-140W-1M
1.5m ² Foil Mat Kit	AFMAT-KIT-140W-1.5M
2m ² Foil Mat Kit	AFMAT-KIT-140W-2M
2.5m ² Foil Mat Kit	AFMAT-KIT-140W-2.5M
3m ² Foil Mat Kit	AFMAT-KIT-140W-3M
4m ² Foil Mat Kit	AFMAT-KIT-140W-4M
5m ² Foil Mat Kit	AFMAT-KIT-140W-5M
6m ² Foil Mat Kit	AFMAT-KIT-140W-6M
7m ² Foil Mat Kit	AFMAT-KIT-140W-7M
8m ² Foil Mat Kit	AFMAT-KIT-140W-8M
9m ² Foil Mat Kit	AFMAT-KIT-140W-9M
10m ² Foil Mat Kit	AFMAT-KIT-140W-10M
11m ² Foil Mat Kit	AFMAT-KIT-140W-11M
12m ² Foil Mat Kit	AFMAT-KIT-140W-12M

Included with kit:

1. 140w per sqm foil heating kit
2. Conduit pipe 2 metre
3. Roll of aluminium tape
4. Installation manual

Ideal for:

Bathrooms, Kitchens,
Lounges, Dining Rooms



Largest mat size is 12m². When ordering 13m² or higher, you will receive 2 mats to meet you required size, which can be joined parallel to your thermostat

Insulation Boards *(For Electric UFH)*

XPS Insulation board

XPS (Extruded Polystyrene) insulation boards are designed specifically to provide an insulation barrier underneath electric underfloor heating systems.

It can easily be fitted on top of concrete/screeded floors and evenly laid wooden floorboards.

- Thermal highly compressed boards
- Size - 1200mm x 600mm (0.72m²)
- Light weight, high efficiency
- Perfect for concrete or screeded floor
- Suitable for evenly laid wooden floorboards
- Available in 6mm, 10mm and 20mm thickness



Product	Order Code
6mm XPS Insulation Board	MASTER06XPS
10mm XPS Insulation Board	MASTER10XPS
20mm XPS Insulation Board	MASTER20XPS

Tile backed board

Tile backer insulation boards provide first class heat insulation for underfloor heating and superb waterproof surface to affix tiles. The XPS (Extruded Polystyrene) board is coated with a reinforced cement based flexible mortar ensuring the easiest of fitting and tiling.

- Perfect for wooden/subfloors on top of joists
- Size - 1200mm x 600mm (0.72m²)
- Available in 6mm, 10mm, 20mm and 30mm thickness
- XPS insulation board is sandwiched between reinforced cement
- Premium engineered



Product	Order Code
6mm Tile Backer Boards	JIT06tile
10mm Tile Backer Boards	JIT10tile
20mm Tile Backer Boards	JIT20tile
30mm Tile Backer Boards	JIT30tile

How many boards do you need to cover your room?

Room length (metres), multiply by room width (metres) = total room size in m²

Take room m² and divide by 0.72 (square m² of insulation board) = number of boards required.

Example;

Room length - 10 metres

Room width - 10 metres

Total room square metre size = 100 square metres

100 ÷ 0.72 = 139 insulation boards required

Always add an additional 2 - 5 boards when ordering, to ensure all floor space is covered.

Water Underfloor Heating

Warm water underfloor heating is a highly efficient method of heating a room, as it uses lower temperatures than standard radiator system. It is suitable for a wide range of projects, whether a new build, renovation or single area.

A Standard output system is suitable for internal well insulated areas such as a living room, kitchen or bathroom, pipe spacings are set at 200mm centres.

A Multi zone kit is suitable when you want to control different zones at different temperatures and times, ideal for new builds and whole house projects, pipe spacings set at 200mm centres.

Single Zone/ Room Kit What's included in the kit:

- Grundfos Pump ('A' rated, EuP ready)
- Temperature Control Mixing Unit.
- 16mm - 5 Multilayers Pipe
- Room edge insulation
- Pipe Cutter
- Pipe Staple Clips
- Euroconus Connectors to connect pipe to manifold
- Covers up to 30m²



Multi Zone/ Room Water Kit What's included in kit:

- Complete Manifold Kit with flow metres, temperature gauge and Pressure Gauge, pre-mounted onto installation bracket
- Grundfos Pump ('A' rated, EuP ready)
- Temperature Control Mixing Unit.
- 16mm - 5 Multilayers Pipe
- Room edge insulation
- Pipe Cutter
- Pipe Staple Clips
- Euroconus Connectors to connect pipe to manifold
- Covers from 30 to 240 m²



Water Underfloor Heating

Single Zone/ Room Water Kit

Kit	Zone/Port	Pipe	Clips	Edge Insulation
12m ²	1	100m	200	25m
15m ²	1	100m	200	25m
17m ²	1	100m	200	25m
20m ²	1	100m	200	25m
22m ²	1	100m	200	25m
25m ²	1	100m	250	50m
30m ²	1	100m	300	50m

Multi Zone/ Room Water Kit

Kit	Zone/Port	Pipe	Clips	Edge Insulation
40m ²	2	200m	400	50m
60m ²	3	300m	600	50m
80m ²	4	400m	800	75m
100m ²	5	500m	1000	100m
120m ²	6	600m	1200	125m
140m ²	7	700m	1400	150m
160m ²	8	800m	1600	150m
180m ²	9	900m	1800	175m
200m ²	10	1000m	2000	200m
220m ²	11	1100m	2100	220m
240m ²	12	1200m	2200	250m

Thermostats & Controls

We provide a selection of thermostats depending on your budget, from a manual thermostat, to a full colour touch screen option.



Big Colour Touch Screen 4.3inch (Floor & Air Sensing) Thermostat Suitable for Electric and Water Underfloor Heating, 16A

Supply Voltage: 230V +/-10% at 50mhz Max Load: 16 A Temperature setting range: 5-35 C Full Colour Touchscreen - 4.3 Inch.

7 Day Programmable. Various sensor settings - floor, ambient and both floor and ambient. Super accurate temperature detector.

Interactive graph display with clear descriptions. Intelligent to adjust changes to your room (self learning adaptive function).

Fit into standard single box. Suitable for Electric, or Water heating systems, or actuator control.



LCD Touch Screen (Floor & Air Sensing) Thermostat Suitable for Electric and Water Underfloor Heating, 16A + 32A

This weekly programmable heating thermostat with touch screen for underfloor heating system can be set every week, or every day. Suitable for Electric, or Water heating systems, or actuator control.



Standard Thermostat w/ Central Knob Suitable for Electric Underfloor Heating, 16A

Easy wall mounted thermostat. Turn the dial to set to your required temperature. Can be manually switched off. Has LED light to indicate when heating is on.

Power Supply: 230V 50Hz.
Temperature setting range between 10°C - 30°C
Suitable for Electric underfloor heating systems.



Mechanical Thermostat w/ Central Knob Suitable for Water Underfloor Heating, 3A

Easy wall mounted thermostat. Turn the dial to set to your required temperature. Power Supply: 230V 50Hz. Temperature setting range between 10°C - 30°C
Suitable for Water underfloor heating systems.

Manifolds & Pumps



Single and 2-12 Ports Underfloor Heating Brass, or Stainless Steel Manifolds

- Push fittings/ easy to install
- Available with up to 12 ports
- Supplied pre-mounted on installation brackets
- Flow meters
- Valves on return manifold accepts a thermoelectric type head for remote control of each zone
- Connections are euroconus
 - 16mm standard euroconus connections,
 - 12, 15, 17, 20mm alternative connections available
- Usual working temperature 82 C
- Max working temperature 105 C
- Max working pressure 3 bar
- Max test pressure 10 bar



Manifolds Complete Kit

Single and 2-12 Ports Underfloor Heating Brass, or Stainless Steel Manifolds (as above) + Push Fitting Pump Pack - Grundfos Pump with Mixer Set Blending Valve

- Grundfos/Wilo A-rated Pump
- Mixer Set Blending Valve
- Thermostatic control the flow temperature of water to the underfloor heating pipe
- Temperature range: 35C - 65C
- Max working pressure: 10 bar
- Compression type connections for ease of installation



Grundfos UPM3 AUTO Pump (A Rated)

- Glandless High Efficiency circulator for integration in HVAC systems; EEI ≤ 0.20 EN16297/3
- Smallest design ever for a circulator; smaller than the well-known UPS circulator
- Internally controlled circulator
- Active or passive inrush current limitation
- Ambient temperatures of up to 70 °C



Wilo Yonos PARA High Flow Pump (A Rated)

- The Yonos PARA High Flow is a high efficiency product
- Self regulating electronic pump with Delta P variable / Delta P constant / n_const
- Medium temperature range: from -20°C up to +110°C
- No additional balancing needed
- Easy to install
- Short power cable with overmoulded Molex connector on demand
- No interface to control the pump by external signals Pressure rating: PN10

Accessories

We provide a number of accessories, to ensure you have everything to complete your job.



16mm
5 Layer Pipes



Pipe
Cutters



Actuators



Wiring
Centres



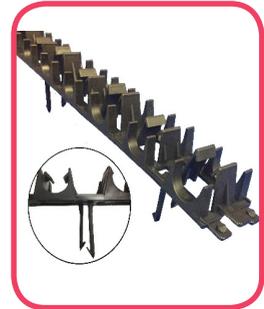
Castellated
Boards



Solid Router
Boards



Aluminium
Spreader Plates



Clip
Rails



Pipe
Clips



Perimeter
Edgings



Blending
Valves



Connectors

Technical Team

Our technical team are able to take your drawing and advise the most suitable layout and cost effective solution. We can usually provide a detailed quotation within 2 working days, allowing you to have a speedy delivery. This service is available for projects of all sizes, from a single room, to multiple property new build.

Delivery

We offer all our customers FREE, FAST delivery service to mainland UK (except pallet service) (excluding delivery to Northern Ireland, Channel Islands and Scottish Highlands, although chargeable delivery is available). To qualify for free delivery, orders must be placed by 1:30pm Monday to Friday.

Deliveries are made using our courier partners, offering our customers a one hour delivery notification period, meaning you don't have to wait in all day! Provide us with your mobile telephone number, or email address when ordering and you will receive a tracking number to follow the progress of your order. If not convenient, you can change the date, or arrange to leave with neighbour by replying to the text, or email.

Returns / Exchange Policy

Our Returns and Exchange Policy is set out to provide our customers a simple and clear procedure and is as follows;

We must be notified of any damages, defects or shortages within 7 days of receiving your goods via email (to provide both parties of written notification).

Any unwanted items or items ordered incorrectly must be returned within 30 days of delivery. All returns must be sent back with a copy of the original invoice. Unwanted goods, exchanges and refunds must be returned in its original condition. Any items found used, or damaged cannot be refunded. Refunds will be processed within 14 days of receiving and inspecting goods.

We cannot refund Self Levelling Compounds, or Tile Adhesive, or accessories sent as part of a kit. All return postage costs must be paid by the customer. We suggest sending items via courier, or recorded delivery, to ensure it is signed for on return. If items are sent back as damaged, we will refund postage on receipt of payment.

Why buy from Underfloor Heating Express?

- Price match offer
- Technical advice
- Friendly service
- High quality products
- Up to 50 year warranty on many products
- Products CE certified to meet with UK and EU standards



UNDERFLOOR HEATING EXPRESS



VISIT OUR WEBSITE
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