



UNDERFLOOR HEATING EXPRESS

UK's Water & Electric Underfloor Heating Supplier



CATALOGUE 2017

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 1pm Monday – Friday.

Our offices are based in Chertsey, Surrey - (south west of Greater London, M25 junction 11), where we have an 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?

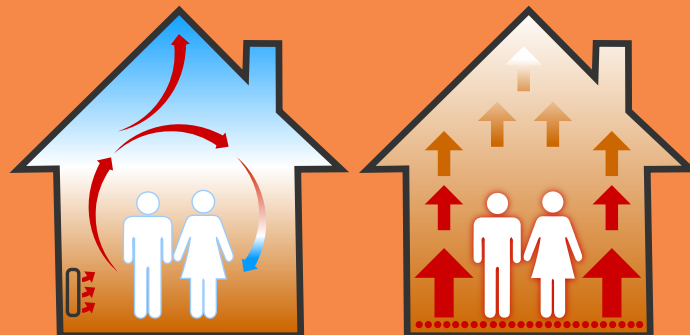
There are a number of benefits that underfloor heating has over traditional heating. Because the heat rises from the floor, the whole room will heat up evenly, unlike radiators. It is environmentally friendly, healthier and can be up to 40% more energy efficient to run, saving you money on your heating bills over time. Both electric and water can be used for any room in the property. Depending 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 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 can be as thin as 2mm, making it perfect for installing on existing floors. The kits are easy to install, but we always recommend 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.

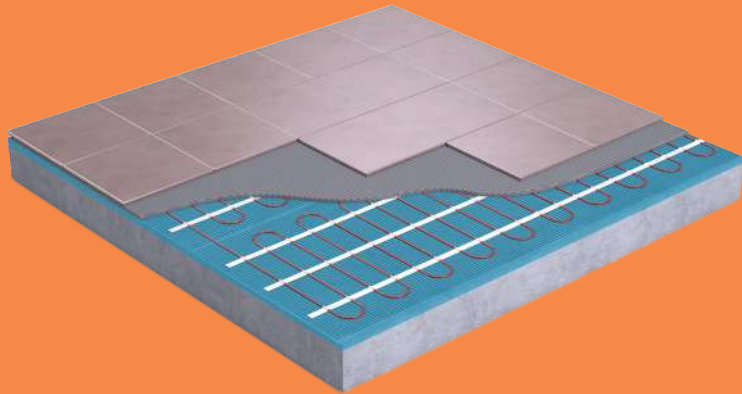
There are options of a single room, or multi room/ zone system, with each zone being able to be controlled individually.



Which Solution Should I Choose?

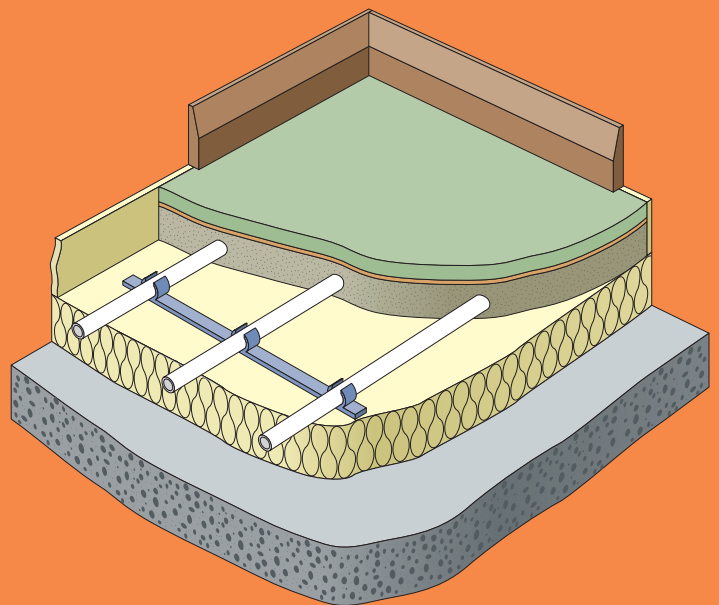
Electric

- 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 Underfloor Heating

Water Underfloor Heating

Manifolds & Pumps

Insulation Boards

Thermostats & Controls

Accessories

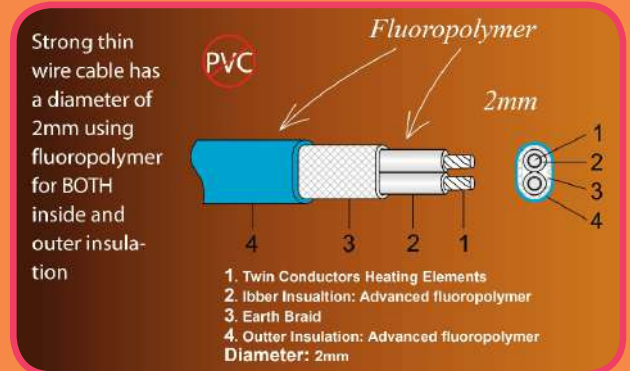
Electric Underfloor Heating

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. Tape x 1 roll (2cm*50m)
4. 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	2mm-Heatmat-150W KIT 1m ²	2mm-Heatmat-200W KIT 1m ²
1.5m ² heat mat kit	2mm-Heatmat-150W KIT 1.5m ²	2mm-Heatmat-150W KIT 1.5m ²
2m ² heat mat kit	2mm-Heatmat-150W KIT 2m ²	2mm-Heatmat-150W KIT 2m ²
2.5m ² heat mat kit	2mm-Heatmat-150W KIT 2.5m ²	2mm-Heatmat-150W KIT 2.5m ²
3m ² heat mat kit	2mm-Heatmat-150W KIT 3m ²	2mm-Heatmat-150W KIT 3m ²
4m ² heat mat kit	2mm-Heatmat-150W KIT 4m ²	2mm-Heatmat-1500W KIT 4m ²
5m ² heat mat kit	2mm-Heatmat-150W KIT 5m ²	2mm-Heatmat-1500W KIT 5m ²
6m ² heat mat kit	2mm-Heatmat-150W KIT 6m ²	2mm-Heatmat-1500W KIT 6m ²
7m ² heat mat kit	2mm-Heatmat-150W KIT 7m ²	2mm-Heatmat-1500W KIT 7m ²
8m ² heat mat kit	2mm-Heatmat-150W KIT 8m ²	2mm-Heatmat-1500W KIT 8m ²
9m ² heat mat kit	2mm-Heatmat-150W KIT 9m ²	2mm-Heatmat-1500W KIT 9m ²
10m ² heat mat kit	2mm-Heatmat-150W KIT 10m ²	2mm-Heatmat-1500W KIT 10m ²
11m ² heat mat kit	2mm-Heatmat-150W KIT 11m ²	2mm-Heatmat-1500W KIT 11m ²
12m ² heat mat kit	2mm-Heatmat-150W KIT 12m ²	2mm-Heatmat-1500W KIT 12m ²
13m ² heatmat kit	2mm-Heatmat-150W KIT 13m ²	2mm-Heatmat-200W KIT 13m ²
14m ² heatmat kit	2mm-Heatmat-150W KIT 14m ²	2mm-Heatmat-200W KIT 14m ²
15m ² heatmat kit	2mm-Heatmat-150W KIT 15m ²	2mm-Heatmat-200W KIT 15m ²
16m ² heatmat kit	2mm-Heatmat-150W KIT 16m ²	2mm-Heatmat-200W KIT 16m ²
17m ² heatmat kit	2mm-Heatmat-150W KIT 17m ²	2mm-Heatmat-200W KIT 17m ²
18m ² heatmat kit	2mm-Heatmat-150W KIT 18m ²	2mm-Heatmat-2000W KIT 18m ²
19m ² heatmat kit	2mm-Heatmat-150W KIT 19m ²	
20m ² heatmat kit	2mm-Heatmat-150W KIT 20m ²	
21m ² heatmat kit	2mm-Heatmat-150W KIT 21m ²	
22m ² heatmat kit	2mm-Heatmat-150W KIT 22m ²	
23m ² heatmat kit	2mm-Heatmat-150W KIT 23m ²	
24m ² heatmat kit	2mm-Heatmat-150W KIT 24m ²	

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

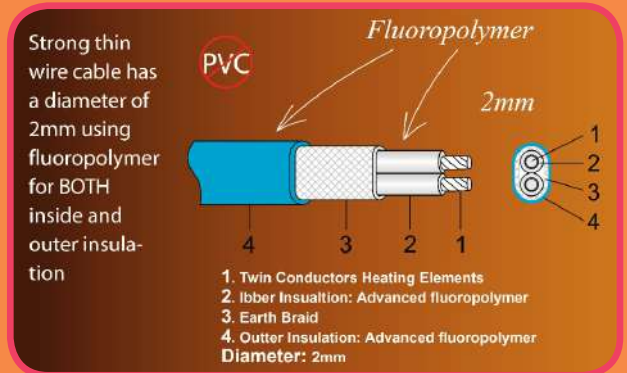
Electric Underfloor Heating

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

Multiple cables can be joined parallel to suit larger rooms

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

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

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



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 and 10mm thickness



Product	Order Code
---------	------------

6mm XPS Insulation Board	master06xps
--------------------------	-------------

10mm XPS Insulation Board	master10xps
---------------------------	-------------

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 and 10mm thickness
- XPS insulation board is sandwiched between reinforced cement
- Premium engineered



Product	Order Code
---------	------------

6mm Tile Backer Boards	JIT06tile
------------------------	-----------

10mm Tile Backer Boards	JIT10tile
-------------------------	-----------

How many boards do you need to cover your room?

Room length (metres), multiple 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	200m	25m
15m ²	1	100m	200m	25m
17m ²	1	100m	200m	25m
20m ²	1	100m	200m	25m
22m ²	1	120m	250m	25m
25m ²	1	120m	250m	50m
30m ²	1	150m	300m	50m

Multi Zone/ Room Water Kit

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

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 L 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
Five Layer Pipe



230v
Actuators



8 and 12 Zone
Wiring Centres



Pipe
Cutter



Rapid Set Flexible
Tile Adhesive



1L Granfix Primer
and Roller Set



40mm and
60mm Pipe Clips



50m
Room Edge



Clip
Rails



Spreader Plates
390x 1000mm



Temperature
Mixing Valve Unit



Eurocone Connectors
12, 15, 16, 17, 20mm

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 1pm 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

WWW.UNDERFLOORHEATINGEXPRESS.COM