

FIRST
FLOOR HEATING
DIRECT



UNDERFLOOR HEATING

PRODUCT SELECTION GUIDE





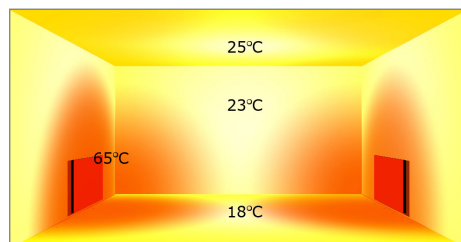
WARM FLOOR LUXURY

More and more homes are enjoying the luxury of warm floors in bathrooms, kitchens, conservatories or any where else in the home.

They are discovering why **FirstFloor** is the best and most affordable heating system, whether the application is renovating or new build.

Our systems can be placed under woods, carpets, ceramic tiles or stone meaning you can enjoy warm floor luxury anywhere in your home.

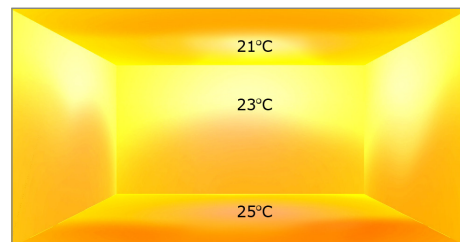
Conventional heating methods



At **FirstFloor** we want our users to have the safest most easy to use system possible. That's why our mats go beyond normal safety measures providing twin core triple insulated cables, a fibreglass mat for ease of installation and an unrivalled easy to use programmable controller.

We offer on all our floor heating mats and cables a 10 year warranty.

FirstFloor heating systems



FIRST FLOOR MAT₂₀₀

Our new powerful **200watt** mat has been specially introduced for use as a sole source of heat subject to a heat loss calculation. The mat is primarily designed to provide extra power for areas such as conservatories, kitchens, and lounges to go under tiles, stone or marble. The cable is woven into our adhesive fibre glass mesh and at only 3mm thick it is one of the thinnest systems on the market today.



Fully adhesive mat for ease of installation

Surpasses International standards

Can be used as a sole source of heat in most cases

One connection cable for added ease

10 Year cable warranty

No electromagnetic fields

SINGLE MATS

Part No.	Area of mat	Width	Length	Loading	Price
200MAT1	1m ²	0.5m	2m	200W	£84.37
200MAT1.5	1.5m ²	0.5m	3m	300W	£101.24
200MAT2	2m ²	0.5m	4m	400W	£115.87
200MAT2.5	2.5m ²	0.5m	5m	500W	£134.43
200MAT3	3m ²	0.5m	6m	600W	£153.00
200MAT4	4m ²	0.5m	8m	800W	£206.94
200MAT5	5m ²	0.5m	10m	1000W	£257.61
200MAT6	6m ²	0.5m	12m	1200W	£285.67
200MAT7	7m ²	0.5m	14m	1400W	£331.82
200MAT8	8m ²	0.5m	16m	1600W	£358.80
200MAT9	9m ²	0.5m	18m	1800W	£399.30
200MAT10	10m ²	0.5m	20m	2000W	£422.92
200MAT12	12m ²	0.5m	24m	2400W	£483.78
200MAT15	15m ²	0.5m	30m	3000W	£606.28

KITS Including Heating Mats, Controller, Conduit & Floor Probe

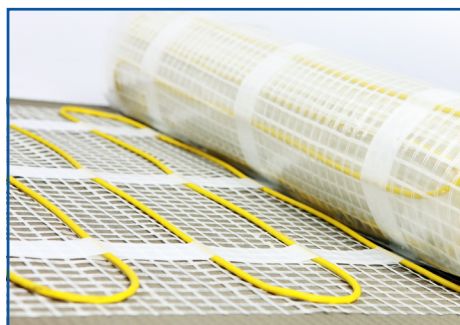
Part No.	Price
200KIT1	£147.35
200KIT1.5	£163.37
200KIT2	£177.28
200KIT2.5	£194.90
200KIT3	£212.55
200KIT4	£263.80
200KIT5	£311.93
200KIT6	£338.56
200KIT7	£382.42
200KIT8	£392.37
200KIT9	£446.55
200KIT10	£468.96
200KIT12	£526.78
200KIT15	£643.15

FIRST FLOOR MAT₁₆₀

Our **160watt** mat has all the attributes of our 200watt mat, but has the added benefit of being able to be applied on marine ply/wood surfaces.

Its main aim is to provide comfort heat by heating tiles to give a luxury underfoot feel.

Our mats are uniquely designed to aid the installer by making them completely sticky on the underside and having a peel off film to enable the installer to design how he wants to lay the mat before sticking it down.



One connection for added ease of installation

Fully adhesive mat for ease of installation

10year cable warranty

SINGLE MATS

Part No.	Area of mat	Width	Length	Loading	Price
160MAT1	1m ²	0.5m	2m	160W	£69.28
160MAT1.5	1.5m ²	0.5m	3m	240W	£82.28
160MAT2	2m ²	0.5m	4m	320W	£111.34
160MAT2.5	2.5m ²	0.5m	5m	400W	£127.88
160MAT3	3m ²	0.5m	6m	480W	£153.28
160MAT4	4m ²	0.5m	8m	640W	£178.10
160MAT5	5m ²	0.5m	10m	800W	£215.58
160MAT6	6m ²	0.5m	12m	960W	£262.08
160MAT7	7m ²	0.5m	14m	1120W	£297.48
160MAT8	8m ²	0.5m	16m	1280W	£328.03
160MAT9	9m ²	0.5m	18m	1440W	£353.63
160MAT10	10m ²	0.5m	20m	1600W	£374.28
160MAT12	12m ²	0.5m	24m	1920W	£424.28
160MAT15	15m ²	0.5m	30m	2400W	£519.28

KITS

Including Heating Mats, Controller, Conduit & Floor Probe

Part No.	Price
160Kit1	£133.00
160KIT1.5	£145.35
160KIT2	£172.91
160KIT2.5	£188.67
160KIT3	£212.80
160KIT4	£236.36
160KIT5	£272.00
160KIT6	£316.16
160KIT7	£349.80
160KIT8	£378.84
160KIT9	£403.15
160KIT10	£422.75
160KIT12	£470.25
160KIT15	£560.50

FIRST FLOOR CABLE

LOOSE CABLE

Our **10watts/metre** loose cable range is widely used when a matted system is not practical, especially in areas which have awkward shapes and obstructions particularly in bathrooms

All cable systems come with fixing tape

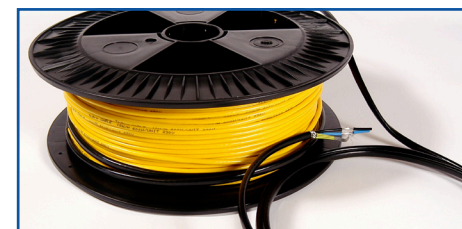
Designed for small areas where matting can't be used

One connection for added ease of installation.

Part No.	Cable Length	Coverage at 120W/m ²	Coverage at 160W/m ²	Coverage at 200W/m ²	Loading	Amps	Price
10CABLE20	20m	1.66m ²	1.25m ²	1m ²	200W	0.9A	£95.30
10CABLE30	30m	2.5m ²	1.87m ²	1.5m ²	300W	1.3A	£106.24
10CABLE40	40m	3.3m ²	2.5m ²	2m ²	400W	1.8A	£125.10
10CABLE60	60m	5m ²	3.75m ²	3m ²	600W	2.6A	£165.80
10CABLE80	80m	6.6m ²	5m ²	4m ²	800W	3.5A	£204.90
10CABLE100	100m	8.34m ²	6.25m ²	5m ²	1000W	5.22A	£238.26
10CABLE120	120m	10m ²	7.5m ²	6m ²	1200W	6.53A	£275.98
10CABLE150	150m	12.5m ²	9.37m ²	7.5m ²	1500W	??A	£303.78

IN SCREED CABLE

Our **17 watts/metre** has been designed for installation in a concrete screed 50-100mm. When installed at correct spacings it will be able to provide an economical solution for sole source heating in most circumstances.



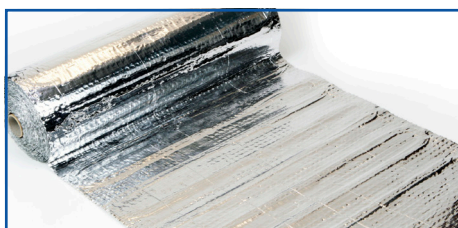
Part No.	Coverage at 160W/m ²	Coverage at 200W/m ²	Loading	Amps	Price
17Cable10	1.06m ²	0.85m ²	170W	0.7A	£102.73
17cable20	2.12m ²	1.7m ²	340W	1.5A	£132.50
17cable30	3.18m ²	2.55m ²	510W	2.2A	£137.90
17cable60	6.30m ²	5.10m ²	1020W	4.4A	£190.36
17cable90	9.50m ²	7.65m ²	1530W	6.6A	£242.82
17cable120	12.75m ²	10.2m ²	2040W	8.8A	£295.45
17cable150	15.90m ²	12.75m ²	2550W	11.0A	£347.73

FIRST FLOOR MAT_{FME}

Our new FME mat opens the door for easy installation under laminates and carpets. The FME mat is a complete foil mat to produce a gentle even heat ideal for use under carpets and woods.

The mat is laid on top of our 3mm thick close cell insulation. These 2 combined will only raise your floor by 4mm making it the thinnest mat on the market for this type of installation. We have made floor heating simple for woods and carpets. If you are planning on using a wood finish the wood must be laid as a floating floor.

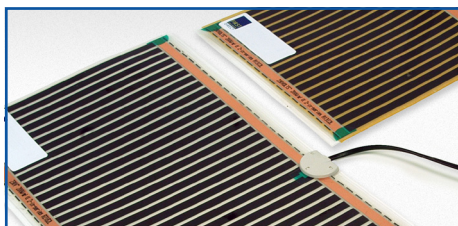
Heater mats are available from 1-10m² and are rated at 150 watts/metre. When being installed under carpets we recommend that both the carpet and the underlay do not exceed 2 tog and an RCD is fitted by the electrical installer.



Part No.	Area of mat	Width	Length of mat	Loading	Price
FME _{MAT0.75}	0.75m ²	0.5m	0.75m	112.5W	£68.50
FME _{MAT1}	1m ²	0.5m	2m	150W	£94.20
FME _{MAT1.5}	1.5m ²	0.5m	1.5m	225W	£115.45
FME _{MAT2}	2m ²	0.5m	4m	300W	£119.28
FME _{MAT3}	3m ²	0.5m	6m	450W	£161.35
FME _{MAT4}	4m ²	0.5m	8m	600W	£203.18
FME _{MAT5}	5m ²	0.5m	10m	750W	£244.33
FME _{MAT6}	6m ²	0.5m	12m	900W	£290.72
FME _{MAT7}	7m ²	0.5m	14m	1050W	£329.00
FME _{MAT8}	8m ²	0.5m	16m	1200W	£370.58
FME _{MAT9}	9m ²	0.5m	18m	1350W	£412.70
FME _{MAT10}	10m ²	0.5m	20m	1500W	£458.55
INSULATION	Close cell insulation 3mm thick x 10metre rolls				£34.10

FIRST FLOOR MIRROR

FirstFloor have a comprehensive range of demister heaters which have an adhesive backing for attaching to the rear of the mirror. For bespoke sizing contact our technical help line.



FIRST FLOOR ACCESSORIES

FIRST FLOOR CONTROLS

FirstFloor sell a comprehensive range of underfloor heating thermostats.

Our fully digital programmable controllers are designed to give maximum versatility while providing ease of programming. The controllers have 4 daily programmes with separate weekday and weekend settings.

The controllers all come with both floor and air sensors and are available in white, silver and graphite. Our controllers are rated at 15Amp

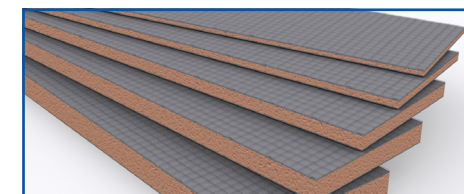


however 25Amp relay switching is available for single zone large areas. 10°C -30°C manual controllers rated at 13Amp are also available.

Part No.	Description	Price
CONTROL R	Digital Programmable Controller (White)	£70.72
CONTROL RS	Digital Programmable Controller (Silver)	£70.72
CONTROL RB	Digital Programmable Controller (Brass)	£70.72
CONTROL M	Manual Controller (White)	£54.55
CONTROLTOUCH W	Digital Programmable Touch Screen Controller (white)	£94.55
CONTROLTOUCH S	Digital Programmable Touch Screen Controller (silver)	£94.55
RELAY	25A Relay Unit	£100.00
THERMALARM	Floor Heating Continuity Alarm	£14.05

FIRST FLOOR BOARDS

The insulation construction boards are designed to reduce heat losses dramatically going into the ground. This makes them ideal for use with underfloor heating systems by making the heat up times quicker thus reducing the running costs.



LEVEL FLEX

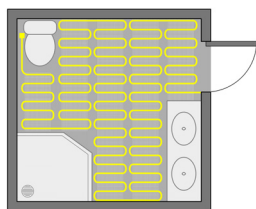
A fibre reinforced self levelling compound designed to protect the heating mat or cable prior to tiling.

Part No.	Description
LEVELFLEX	Self leveling floor screed

INSTALLATION DETAILS

FirstFloor Mat floor heating mats are one of the easiest systems to install on the market today. The twin conductor, single lead elements are mounted onto a fabric mesh which means it does not want to go back into its original roll shape when being laid. With a large range of sizes available it is suitable for both large and small areas.

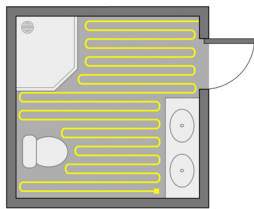
FirstFloor Mat is available in two standard power outputs, **160w/m²** and **200w/m²**.



FirstFloor Mat

FirstFloor Mat rated at **160w/m²** is ideal for comfort heating, while the **200w/m²** are widely used for a primary source of heating. Please check on the insulation properties of the building and carry out a heat loss calculation before deciding on the correct heater size.

FirstFloor Cable is the same twin conductor element as the **FirstFloor Cable**, supplied on a reel and is ideal for installation for small areas ie bathrooms/toilets.



FirstFloor Cable

FirstFloor Mat or **FirstFloor Cable** cold lead wire: Connect direct to the **FirstFloor Control** programmable controller.
(when room requires more than 2 mats or cables connect via a junction box)

Floor sensing wire:
Connect to the **FirstFloor Control** programmable controller

Floor temperature probe - install inside the flexible floor sensing tube

Heating Element - YELLOW

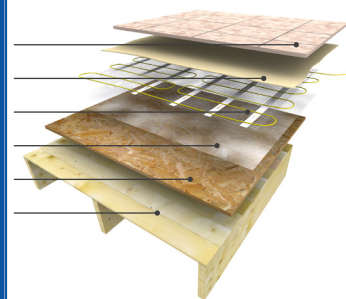
Cold Lead Wire - BLACK

Floor Sensing Wire - WHITE

FIRST FLOOR MAT

on timber sub floor

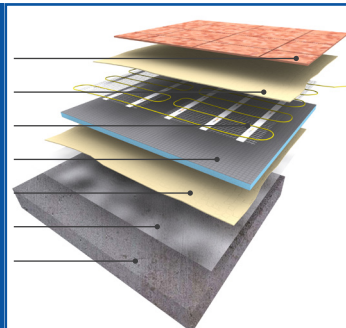
Floor Tiles
Flexible Adhesive
FirstFloor Mat
Floor Primer
Marine Plywood/**FirstFloor Boards**
Floorboards



FIRST FLOOR MAT

on concrete sub floor

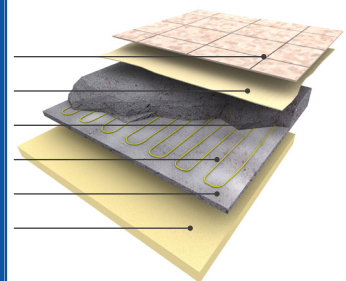
Floor Tiles
Flexible Adhesive
FirstFloor Mat
FirstFloor Boards
Flexible Adhesive
Floor Primer
Concrete Screed



FIRST FLOOR CABLE

in screed

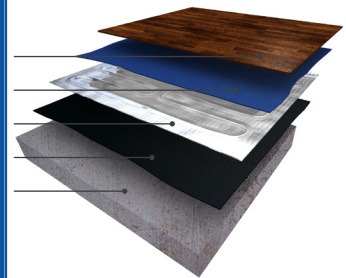
Floor Tiles
Flexible Adhesive
Concrete Screed
FirstFloor Cable in screed
Concrete Base
Insulation



FIRST FLOOR MAT_{FME}

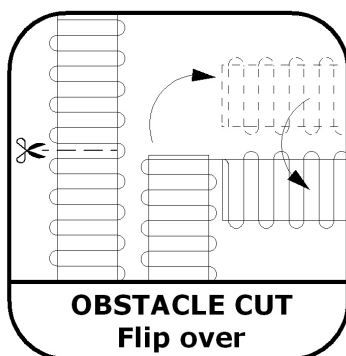
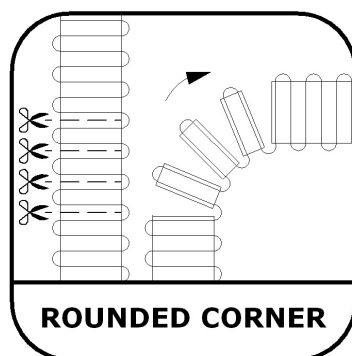
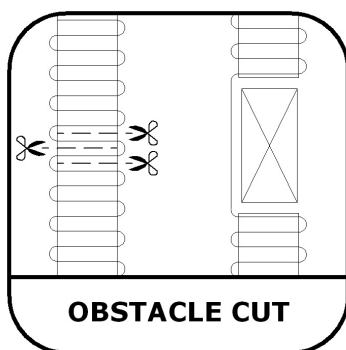
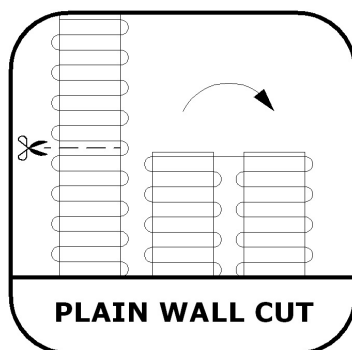
for use with laminate and vinyl flooring

Laminate Floor
Sound Proof Membrane
FirstFloor Mat_{FME}
Close Cell Insulation
Concrete/Wood Base



INSTALLATION DETAILS

FirstFloor Cable is perfect for the DIY enthusiast or specialist contractor, a qualified electrician can advise on the electrics and help you with the final connection to the mains



Contact **FirstFloor Heating Direct** technical support for help on Tel: **08081293020**

Designed for operation at 230V installation requires an R.C.D. (residual current device) protection for safe operation.

FAQ's

How much will the running costs be ?

Based on a 160watt mat, running costs will work out at under 1p/m² per hour.

How long will it take for my floor to warm up ?

This is dependent on how well insulated the sub floor is. When using our insulated construction boards under tiles the floors will be at temperature within an hour. Using the 200watt system will also give you a faster heat up time over the 160watt system.

Is it necessary for an expert to install our matted or cable systems?

Installation is ideal for either the DIY enthusiast or approved installation contractors. The electrical supply must be protected by a correctly sized RCD (Residual Current Device), either at the mains or a fused spur. The system connects to your household wiring and it is recommended the final mains electrical connection is made by a qualified electrician.

Going Green !!

There is a real pay-back with insulated floors in terms of energy and running cost savings. Before you know it the boards will have paid for themselves.

Why insulate ?

Systems rated at 160 w/m² and 200W/m² are installed on uninsulated concrete floors with good results both in conservatories and internal rooms. However, due to the thermal dynamics involved, a cold uninsulated concrete subfloor will absorb up to 30% of the heat load down into the floor. Without insulation the heat up rate is slower and running costs higher. It is a fact however, many installations have critical floor levels and a layer of insulation, just 10mm, is not practical. To make the best use of the installed energy, insulation should be installed, either below the subfloor or as a layer of insulation backing board on top of the subfloor, OR BOTH.

Where can't I lay the underfloor heating?

When using the FME for underneath woods, care should be taken not to place any heating beneath areas where a thermal block will be placed on the top floor covering. Furniture without air gaps beneath them or large beanbags prevent the heat from escaping and could cause the system to overheat.

Please also set the controller to Air and floor mode to turn on the floor limiter.

FIRST FLOOR MAT ₂₀₀	PAGE 2
FIRST FLOOR MAT ₁₆₀	PAGE 3
FIRST FLOOR MAT _{FME}	PAGE 4
FIRST FLOOR MIRROR	PAGE 5
FIRST FLOOR ACCESSORIES	PAGE 6
INSTALLATION DETAILS	PAGE 7-9
FAQ's	PAGE 10

Contact Thermfloor technical support for help on:

08081 293020

Stockist

Supplier



First Trace Heating Direct Ltd

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Preston, Lancashire, PR2 2PD