

# Electric UFH

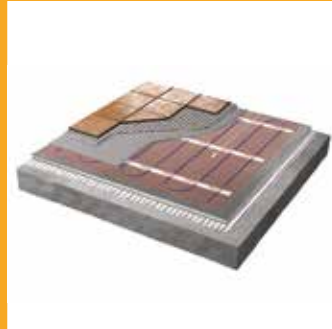
## Benefits & Running Costs



Introduction

383

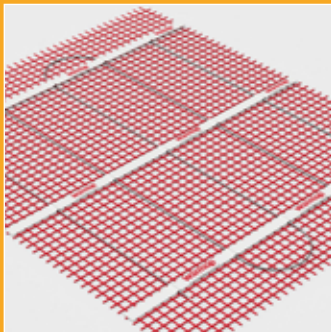
## Application



Applications

384

## StickyMat



StickyMat

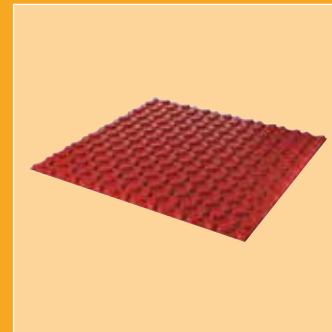
385

## DCM-PRO



DCM-PRO Cable

385



DCM-PRO Mat

386



DCM-PRO Accessories

386

## Thermostats


**NEW** 6iE Smart WiFi  
 Thermostat

387

3iE Energy Monitor  
 Thermostat

387

Tempo Digital  
 Thermostat

387

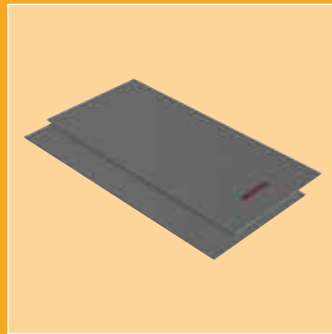
# Electric UFH

## Materials



Loose Wire Cable

386



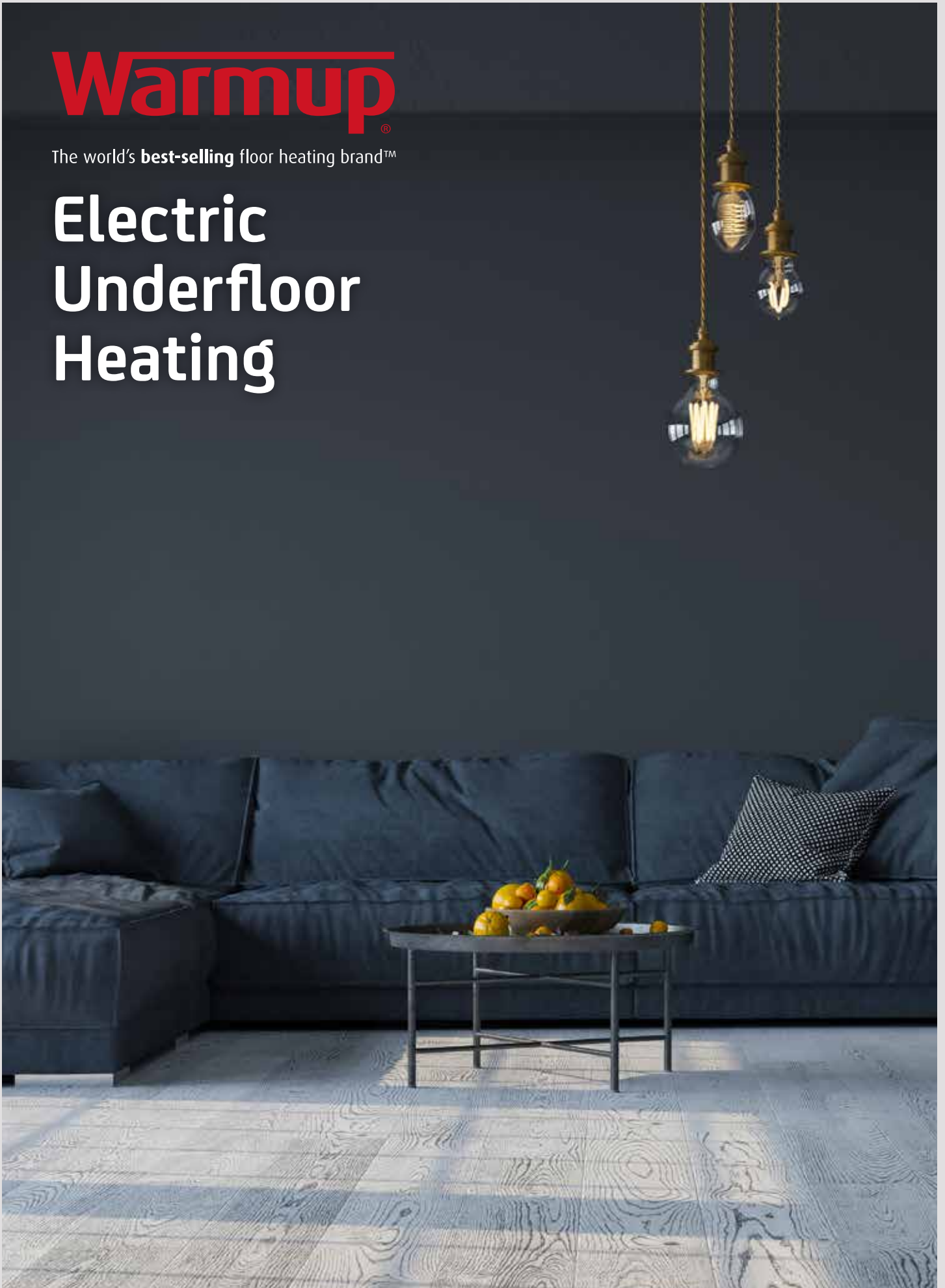
Insulation Board

386

# Warmup®

The world's best-selling floor heating brand™

## Electric Underfloor Heating



## Introduction

Warmup's electric underfloor heating systems are highly suitable for refurbishment projects and nearly all electrical systems can be fitted onto existing subfloors and work with almost all flooring finishes.

Electric Underfloor Heating is a cleaner, more efficient way to heat a home. Floor heaters require much less energy to reach optimal comfort temperatures than traditional centrally-heated radiators and when installed in conjunction with Warmup's Insulation Boards and a Smart Thermostat, you can expect huge savings on heating bills too.

## Benefits

Warmup Underfloor heating transforms your room into a sanctuary of warmth.

### Design Freedom and Low Maintenance

With no bulky radiators to take up valuable wall and floor space, our systems are a designer's dream.

### Suitable for Every Room Type

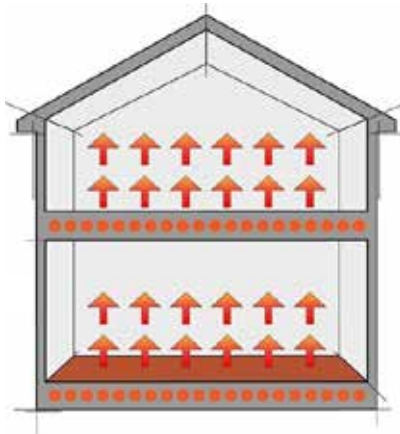
Thanks to the availability of a wide range of products and systems, there is a solution for virtually any project type whether new-build, refurbishment, retrofit, or renovation.

### Cost Savings and Increased Energy Efficiency

Zoning your house with underfloor heating is simple, and unlike traditional systems that run all rooms at the same time, you can set the heating for individual rooms where and when you need it.

### Comfort through Even Heat Distribution

Underfloor heating spreads warmth over the entire floor area using low-temperature radiant heat, rather than the high-temperature "point heating" associated with radiators.



**There are no cold spots** as it covers the entire floor, making for a comfortable environment

## Reducing Heat Loss & Energy Consumption

There are several ways to reduce energy consumption and heat loss. These include:

- Improving the insulation of the property (reduction of conduction losses)
- Reducing air leakage (reducing convective losses)
- Reducing energy consumption by using efficient heating methods

The overall heat loss can be decreased by looking at all of the above and by adding insulation or by ensuring that there are no gaps in the existing insulation. For underfloor heating, insulation boards are essential in reducing heat loss to the subfloor and ensuring a fast heat up time.

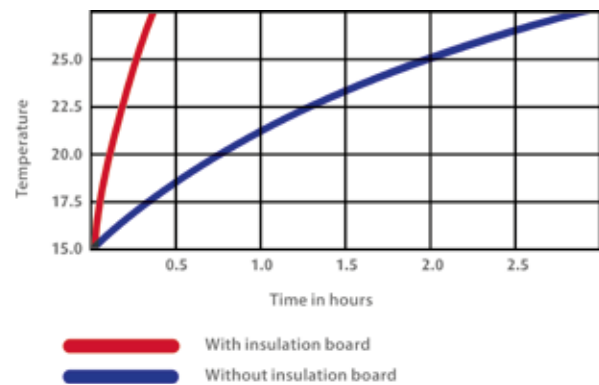
## Running Costs

Underfloor Heating can offer substantially lower running costs compared with traditional central heating. Running costs can vary depending on your home's design, how well insulated it is, what energy tariff you are on and how you control and monitor your homes heating.

### Running Time

Room Type	Heated Area	AM	PM	Winter Cost*
Bathroom	4m <sup>2</sup>	2hrs	1hr	£24.26
Kitchen	5m <sup>2</sup>	1hr	2hrs	£30.33
Lounge	15m <sup>2</sup>	0hrs	3hrs	£85.27

\*Assumptions: 12.66p/kWh - system on 6 months (182 days) per year. System installed on 10mm Warmup® Insulation Board. \*\*Avg. running cost after initial heat-up period = 0.85p/m<sup>2</sup>/hr. For more details visit [www.warmup.co.uk](http://www.warmup.co.uk)



## Applications

Underfloor Heating Solutions for any Project. Radiant heating is compatible with almost all floor finishes and room types in your house.

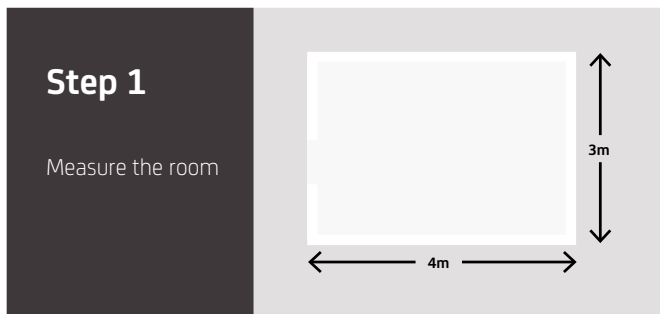
Insulating your floor prevents the thermal mass from escaping downwards, significantly reducing the amount of heat absorbed by the subfloor.



## 4 Simple Steps To Calculate The Area For Electric Floor Heating Systems

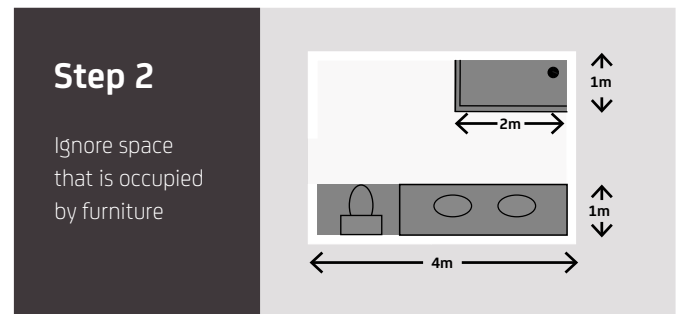
First, determine the available room floor space. This is the total amount of floor area, reduced by the area occupied by fixed objects, ie kitchen cabinets, bath, etc.

You only need to heat the area you will walk on. We advise you to place at 5 centimetres away from the walls.



**Work out the total floor area.**

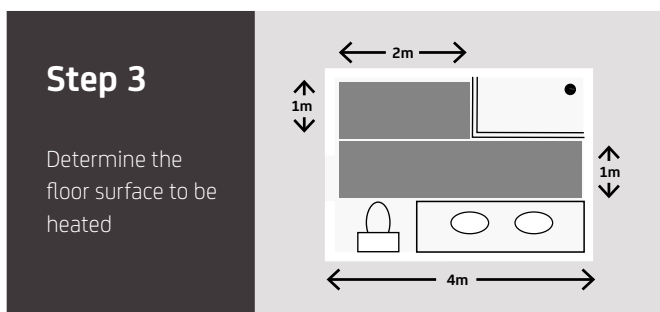
If the overall space is rectangular in shape, for example 4m by 3m, you only have to multiply both numbers, giving you **12m<sup>2</sup>**



**Calculate how much of the floor space is occupied by fixed objects, such as shower tray, sink, etc.**

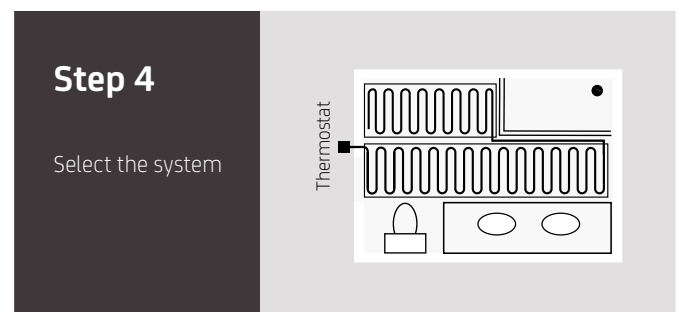
Start with the big items and finish with small items.

Area occupied by furniture:  $4\text{m}^2 + 2\text{m}^2 = 6\text{m}^2$



From step 1 and step 2 you now know how much fixed space you need:

Step 1: 12 m<sup>2</sup> Step 2: 6 m<sup>2</sup>

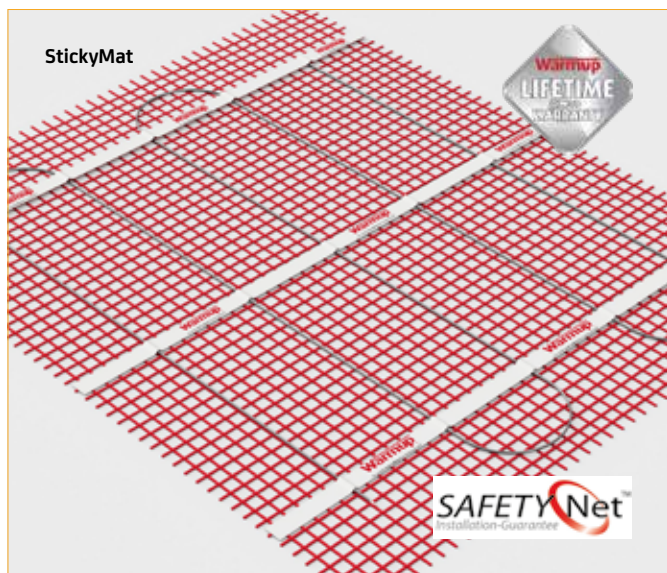


Now calculate the amount of free floor space for your Warmup cable or mat:

**Surface to be heated:  $12\text{m}^2 - 6\text{m}^2 = 6\text{m}^2$**

## StickyMat

- The thinnest dual-fluoropolymer coated heating wire (less than 1.8mm diameter)
- StickyMat with pressure sensitive adhesive, for the fastest and most secure installation
- Can be repositioned easily without losing adhesion
- The pressure sensitive adhesive ensures that no wire or mesh is raised when tiling or covering with a self-levelling compound



### StickyMat 150W/m<sup>2</sup>

StickyMat Size	Code	Price
1m <sup>2</sup>	<b>SPM1</b>	£119.00
1.5m <sup>2</sup>	<b>SPM1.5</b>	£150.00
2m <sup>2</sup>	<b>SPM2</b>	£171.00
2.5m <sup>2</sup>	<b>SPM2.5</b>	£211.00
3m <sup>2</sup>	<b>SPM3</b>	£244.00
3.5m <sup>2</sup>	<b>SPM3.5</b>	£274.00
4m <sup>2</sup>	<b>SPM4</b>	£303.00
4.5m <sup>2</sup>	<b>SPM4.5</b>	£333.00
5.5m <sup>2</sup>	<b>SPM5</b>	£369.00
6m <sup>2</sup>	<b>SPM6</b>	£435.00
7m <sup>2</sup>	<b>SPM7</b>	£501.00
8m <sup>2</sup>	<b>SPM8</b>	£546.00
9m <sup>2</sup>	<b>SPM9</b>	£594.00
10m <sup>2</sup>	<b>SPM10</b>	£630.00
11m <sup>2</sup>	<b>SPM11</b>	£668.00
12m <sup>2</sup>	<b>SPM12</b>	£729.00
15m <sup>2</sup>	<b>SPM15</b>	£916.00

### StickyMat 200W/m<sup>2</sup>

StickyMat Size	Code	Price
0.5m <sup>2</sup>	<b>2SPM0.5</b>	£78.00
1m <sup>2</sup>	<b>2SPM1</b>	£133.00
1.5m <sup>2</sup>	<b>2SPM1.5</b>	£166.00
2m <sup>2</sup>	<b>2SPM2</b>	£185.00
2.5m <sup>2</sup>	<b>2SPM2.5</b>	£225.00
3m <sup>2</sup>	<b>2SPM3</b>	£264.00
3.5m <sup>2</sup>	<b>2SPM3.5</b>	£297.00
4m <sup>2</sup>	<b>2SPM4</b>	£330.00
4.5m <sup>2</sup>	<b>2SPM4.5</b>	£359.00
5m <sup>2</sup>	<b>2SPM5</b>	£396.00
6m <sup>2</sup>	<b>2SPM6</b>	£467.00
7m <sup>2</sup>	<b>2SPM7</b>	£540.00
8m <sup>2</sup>	<b>2SPM8</b>	£594.00
9m <sup>2</sup>	<b>2SPM9</b>	£639.00
10m <sup>2</sup>	<b>2SPM10</b>	£674.00
15m <sup>2</sup>	<b>2SPM15</b>	£984.00

# DCM-PRO

The DCM-PRO is the fastest solution for the installation of a heated decoupling system in all areas, installing electric underfloor heating in minutes with less tile adhesive because of its self-adhesive backing. The self-healing decoupling layer of the DCM-PRO mat protects floor finishes from damage. The layer contracts and expands to deal with structural movements in subfloors due to seasonal changes, preventing damage from occurring to floor coverings.

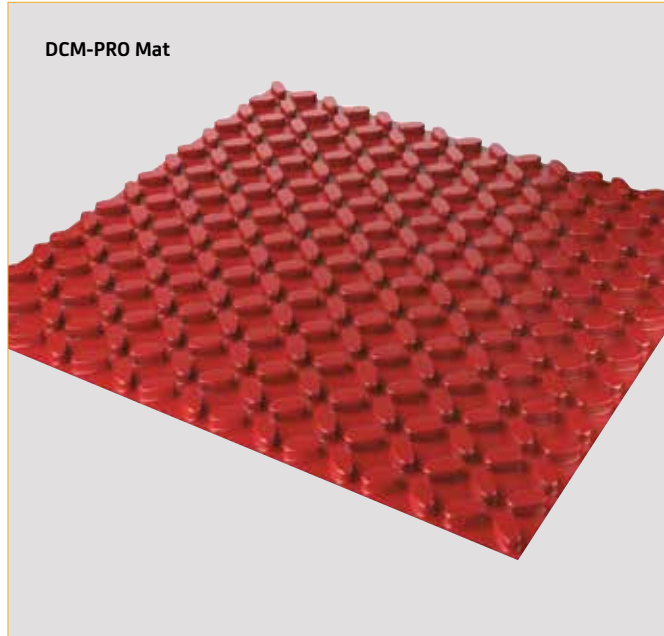


### DCM-PRO Cable

Description	Code	Price
DCM-Pro cable 150W 10.9m for 1m <sup>2</sup> coverage	<b>DCM-C-1</b>	£121.00
DCM-Pro cable 225W 16.3m for 1.5m <sup>2</sup> coverage	<b>DCM-C-1.5</b>	£133.00
DCM-Pro cable 300W 21.8m for 2m <sup>2</sup> coverage	<b>DCM-C-2</b>	£159.00
DCM-Pro cable 375W 27.2m for 2.5m <sup>2</sup> coverage	<b>DCM-C-2.5</b>	£180.00
DCM-Pro cable 450W 32.7m for 3m <sup>2</sup> coverage	<b>DCM-C-3</b>	£201.00
DCM-Pro cable 525W 38.1m for 3.5m <sup>2</sup> coverage	<b>DCM-C-3.5</b>	£227.00
DCM-Pro cable 600W 43.5m for 4m <sup>2</sup> coverage	<b>DCM-C-4</b>	£254.00
DCM-Pro cable 675W 49m for 4.5m <sup>2</sup> coverage	<b>DCM-C-4.5</b>	£280.00
DCM-Pro cable 750W 54.4m for 5m <sup>2</sup> coverage	<b>DCM-C-5</b>	£317.00
DCM-Pro cable 900W 65.3m for 6m <sup>2</sup> coverage	<b>DCM-C-6</b>	£349.00
DCM-Pro cable 1050W 76.2m for 7m <sup>2</sup> coverage	<b>DCM-C-7</b>	£391.00
DCM-Pro cable 1200W 87.1m for 8m <sup>2</sup> coverage	<b>DCM-C-8</b>	£433.00
DCM-Pro cable 1350W 98m for 9m <sup>2</sup> coverage	<b>DCM-C-9</b>	£486.00
DCM-Pro cable 1500W 108.8m for 10m <sup>2</sup> coverage	<b>DCM-C-10</b>	£544.00
DCM-Pro cable 1800W 130.6m for 12m <sup>2</sup> coverage	<b>DCM-C-12</b>	£612.00
DCM-Pro cable 2100W 152.4m for 14m <sup>2</sup> coverage	<b>DCM-C-14</b>	£697.00
DCM-Pro cable 2400W 174.1m for 16m <sup>2</sup> coverage	<b>DCM-C-16</b>	£793.00

### DCM-PRO Mat

Description	Code	Price
DCM-Pro Mat 1m <sup>2</sup>	<b>DCM-M-1</b>	£22.00
DCM-Pro Mat 15m <sup>2</sup>	<b>DCM-M-15</b>	£323.00



### DCM-PRO Accessories

Description	Code	Price
10mm x 30mm x 25m Perimeter Edge Strip	<b>DCM-E-25</b>	£26.00
120mm x 10m Waterproofing Tape	<b>DCM-T-10</b>	£31.00
120mm x 120mm Waterproof Tape Internal Corner	<b>DCM-R-I</b>	£7.00
120mm x 120mm Waterproof Tape External Corner	<b>DCM-R-E</b>	£7.00

#### Perimeter Edge Strip



#### Waterproofing Tape



#### Waterproofing Tape Internal



#### Waterproofing Tape External



### Loose Wire Cable

- Ultra-thin dual-core heating element will not raise floor levels
- The thinnest dual-fluoropolymer coated heating wire (less than 1.8mm diameter)
- BEAB approved heating element meets the highest safety standards
- Quick installation – Single connection lead for fewer steps

### Loose Wire Cable

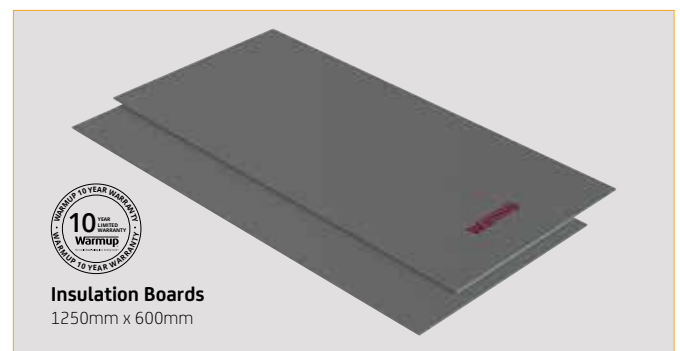
Description	Code	Price
Dual Wire Undertile Heater 300 watts	<b>DWS 300</b>	£149.00
Dual Wire Undertile Heater 400 watts	<b>DWS 400</b>	£177.00
Dual Wire Undertile Heater 600 watts	<b>DWS 600</b>	£259.00
Dual Wire Undertile Heater 800 watts	<b>DWS 800</b>	£335.00

### Loose Wire Cable



### Insulation Board

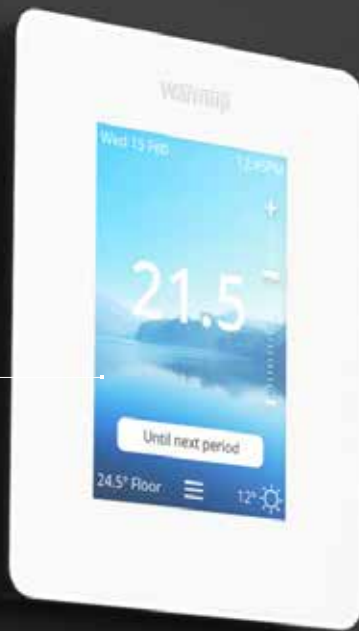
Description	Code	Price
6mm Warmup Insulation Board	<b>INS BOARD 6mm</b>	£24.00
10mm Warmup Insulation Board	<b>INS BOARD 10mm</b>	£24.00
20mm Warmup Insulation Board	<b>INS BOARD 20mm</b>	£32.00
30mm Warmup Insulation Board	<b>INS BOARD 30mm</b>	£40.00
40mm Warmup Insulation Board	<b>INS BOARD 40mm</b>	£46.00
50mm Warmup Insulation Board	<b>INS BOARD 50mm</b>	£57.00
Glass Fibre Tape - 90 metre roll	<b>INS TAPE 90m</b>	£6.00



**Thermostats**

**6iE Smart WiFi Thermostat**

Automatic heating control with SmartGeo and weather based Early Start



Bright Porcelain  
**6iE-01-BP-LC**

Custom photo backgrounds and adjustable screen brightness

**NEW**



Control the heating with just a swipe

Onyx Black  
**6iE-01-OB-DC**

Choosing the correct thermostat is crucial to ensuring that your heating system works effectively, efficiently and easily. To provide you and your home with an optimum heating experience, Warmup offers a wide range of underfloor heating controllers from simple manual thermostats to the latest, remotely accessible Smart thermostats.

**6iE Smart Wifi Thermostat - The world's first underfloor heating thermostat with a smartphone touchscreen**

Description	Code	Price
<b>NEW</b> Warmup 6iE WiFi Thermostat - Onyx Black	<b>6iE-01-OB-DC</b>	£171.00
<b>NEW</b> Warmup 6iE WiFi Thermostat - Bright Porcelain	<b>6iE-01-BP-LC</b>	£171.00

**3iE Energy-Monitoring Thermostat**



Piano Black  
**WU-3iE-PB**



Classic Cream  
**WU-3iE-CC**

Warm Berry  
**WU-3iE-WB**

Silver Grey  
**WU-3iE-SG**

Leaf Green  
**WU-3iE-LG**

Madison Blue  
**WU-3iE-MB**

Deep Pink  
**WU-3iE-DP**

**Tempo Digital Thermostat**



Porcelain White  
**ELT-PW**



Piano Black  
**ELT-PB**

**3iE Energy Monitor Thermostat**

Description	Code	Price
Warmup 3iE Thermostat - Piano Black	<b>WU-3iE-PB</b>	£181.00
Warmup 3iE Thermostat - Classic Cream	<b>WU-3iE-CC</b>	£181.00
Warmup 3iE Thermostat - Silver Grey	<b>WU-3iE-SG</b>	£193.00
Warmup 3iE Thermostat - Warm Berry	<b>WU-3iE-WB</b>	£193.00
Warmup 3iE Thermostat - Madison Blue	<b>WU-3iE-MB</b>	£193.00
Warmup 3iE Thermostat - Leaf Green	<b>WU-3iE-LG</b>	£193.00
Warmup 3iE Thermostat - Deep Pink	<b>WU-3iE-DP</b>	£193.00

**Tempo Digital Thermostat**

Description	Code	Price
Warmup Tempo Thermostat - Porcelain White	<b>ELT-PW</b>	£126.00
Warmup Tempo Thermostat - Piano Black	<b>ELT-PB</b>	£126.00