



# ELECTRIC UNDERFLOOR HEATING



ELECTRIC UFH

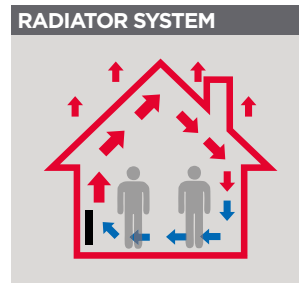
## INTRODUCTION

### The feeling of heat radiating from your floor.

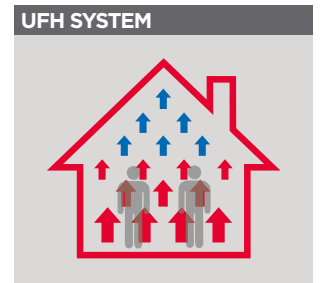
INSTINCT UFH is a quality, no frills product designed for contractors who require a simple electric underfloor heating system at an extremely competitive price.

Electric underfloor heating (UFH) is inexpensive to install and run, and provides the ultimate feeling of comfort and luxury.

Our extensive range includes INSTINCT UFH matting, Cable kits, Touchscreen thermostat and insulation for a wide range of applications and floor finishes.



Convection causes drafts and uneven heat spread



Even spread of heat for maximum comfort spread

## BENEFITS

### A luxury product at an affordable price.

Underfloor heating is no longer an expensive luxury extra. INSTINCT UFH is the easy, affordable and economical way to add luxury to any room.

#### Standard radiator system

Heat rises from radiator to ceiling

Heat loss through roof

Creates draughts and uneven heat

Cold floors and hot heads

#### Underfloor heating system

Even heat spread

Comfortable room temperature

No draughts

Warm floors

## RUNNING COSTS

It is a common assumption that running an electrical heating system will be more expensive than a gas equivalent. An electric underfloor heating system can have many benefits:

Rapid heat up times

Fully programmable touchscreen thermostat

Standard gas systems tend to heat the whole house. Our UFH can be programmed to allow for different times and temperatures in different rooms

Heat a 2m<sup>2</sup> area for less than 7p day\*

| RUNNING COSTS* |                             |                 |                 |                 |                  |                  |                  |
|----------------|-----------------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| Time (hours)   | Heated Area 1m <sup>2</sup> | 2m <sup>2</sup> | 4m <sup>2</sup> | 5m <sup>2</sup> | 10m <sup>2</sup> | 15m <sup>2</sup> | 25m <sup>2</sup> |
| 1              | 1.8p                        | 3.6p            | 7.2p            | 9p              | 18p              | 27p              | 45p              |
| 2              | 3.6p                        | 7.2p            | 14.4p           | 18p             | 36p              | 54p              | 90p              |
| 3              | 5.4p                        | 10.8p           | 21.6p           | 27p             | 54p              | 81p              | 135p             |
| 4              | 7.2p                        | 14.4p           | 28.8p           | 36p             | 72p              | 108p             | 180p             |
| 5              | 9p                          | 18p             | 36p             | 45p             | 90p              | 135p             | 225p             |
| 6              | 10.8p                       | 21.6p           | 43.2p           | 54p             | 108p             | 162p             | 270p             |
| 7              | 12.6p                       | 25.2p           | 50.4p           | 63p             | 126p             | 189p             | 315p             |
| 8              | 14.4p                       | 28.8p           | 57.6p           | 72p             | 144p             | 216p             | 360p             |

\*These running cost calculations assume an output of 150w/m<sup>2</sup> in a well insulated environment and an electricity tariff of 14p/kWh.

# APPLICATIONS

**INSTINCT UFH products have a wide range of applications and can be installed on timber and concrete substrates.**

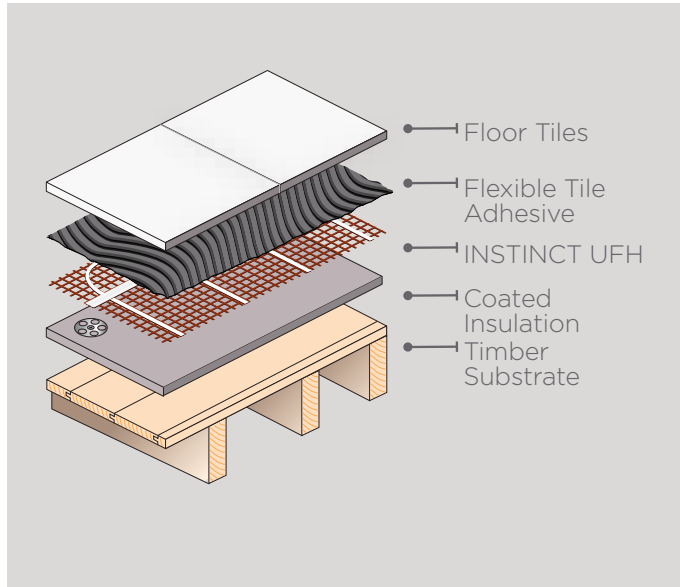
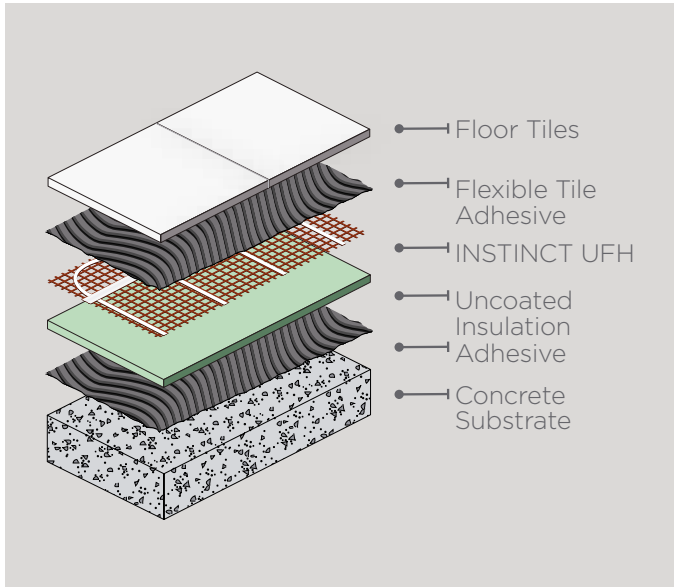
Suitable for almost all floor finishes; here are some examples. Always check with your flooring manufacturer before installing over an electric underfloor heating system.

**ELECTRIC UFH**

**WHAT TYPE OF UFH DO I REQUIRE?**

| Product                 | Tiles | Stone | Laminate | Porcelain | Carpet |
|-------------------------|-------|-------|----------|-----------|--------|
| 150w/m <sup>2</sup> Mat | •     | •     | •        | •         | •      |
| 200w/m <sup>2</sup> Mat | •     | •     | •        | •         | •      |
| Cable Kit               | •     | •     | •        | •         | •      |

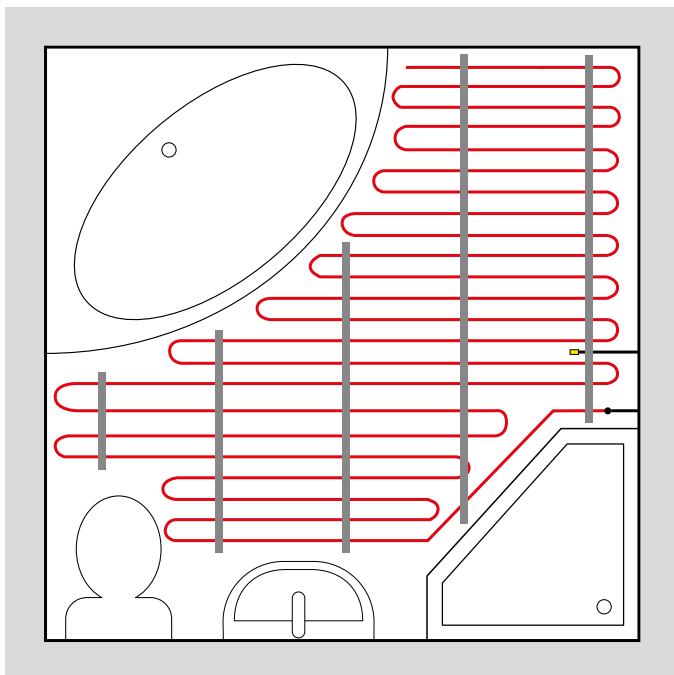
For small awkward areas use cable kit. For regular areas 1 - 24m<sup>2</sup> use 150w/m<sup>2</sup> mat. For high output 1 - 18m<sup>2</sup> use 200w/m<sup>2</sup> mat



## CABLE KIT LAYOUT

**Simple installation in irregular areas**

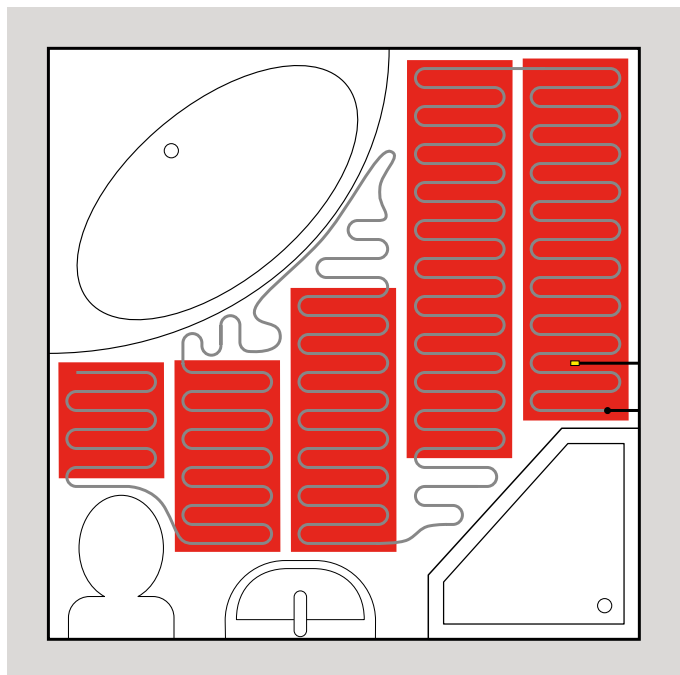
Diagram below shows a typical bathroom layout.



## MAT SYSTEM LAYOUT

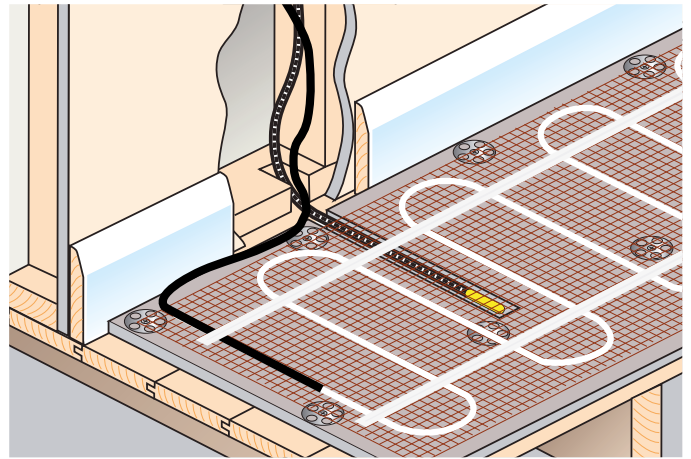
**Simple, flexible installation**

Diagram below shows a typical bathroom layout.



# CONDUIT & SENSOR INSTALLATION

Diagram opposite shows an insulated timber substrate.



ELECTRIC UFH

# INSULATION

## Efficient underfloor heating.

INSTINCT UFH mats can be laid onto any substrate and we always recommend that you lay them onto insulation board for maximum efficiency and potentially reduced running costs.

There are two types of insulation board - Coated and Uncoated.

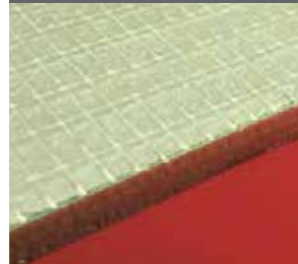
Can make underfloor heating 50% more efficient

From just 6mm thick

Fast, simple installation

100% water and rot proof

INSULATION BOARDS - COATED

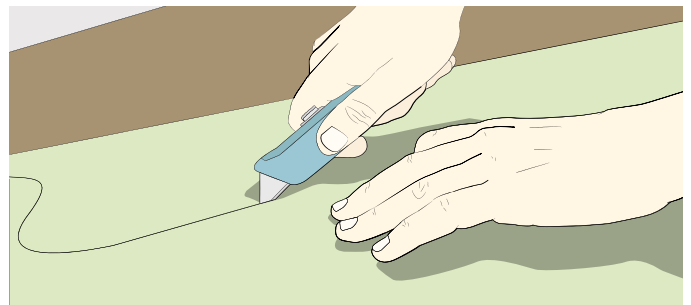


For use with timber substrates

INSULATION BOARDS - UNCOATED



For use with concrete substrates



Cuts easily using a sharp blade

# VASTLY REDUCE HEAT UP TIMES

## Floor construction and finish will govern heat up times.

Sufficient insulation will greatly reduce heat up times and you will notice the difference in your energy bills. A well-insulated INSTINCT UFH system can be up to 50% more efficient. Average heat up times can be seen in the table below:

|                                   |           |
|-----------------------------------|-----------|
| Concrete & 50mm Insulation board  | 0.5 hours |
| Concrete & 10mm Insulation board  | 1.0 hour  |
| Un-insulated concrete             | 5.0 hours |
| Concrete & sub surface insulation | 3.0 hours |
| Chipboard & 10mm Insulation Board | 0.5 hours |
| Un-insulated chipboard            | 1.0 hour  |

WITHOUT INSULATION



WITH INSULATION

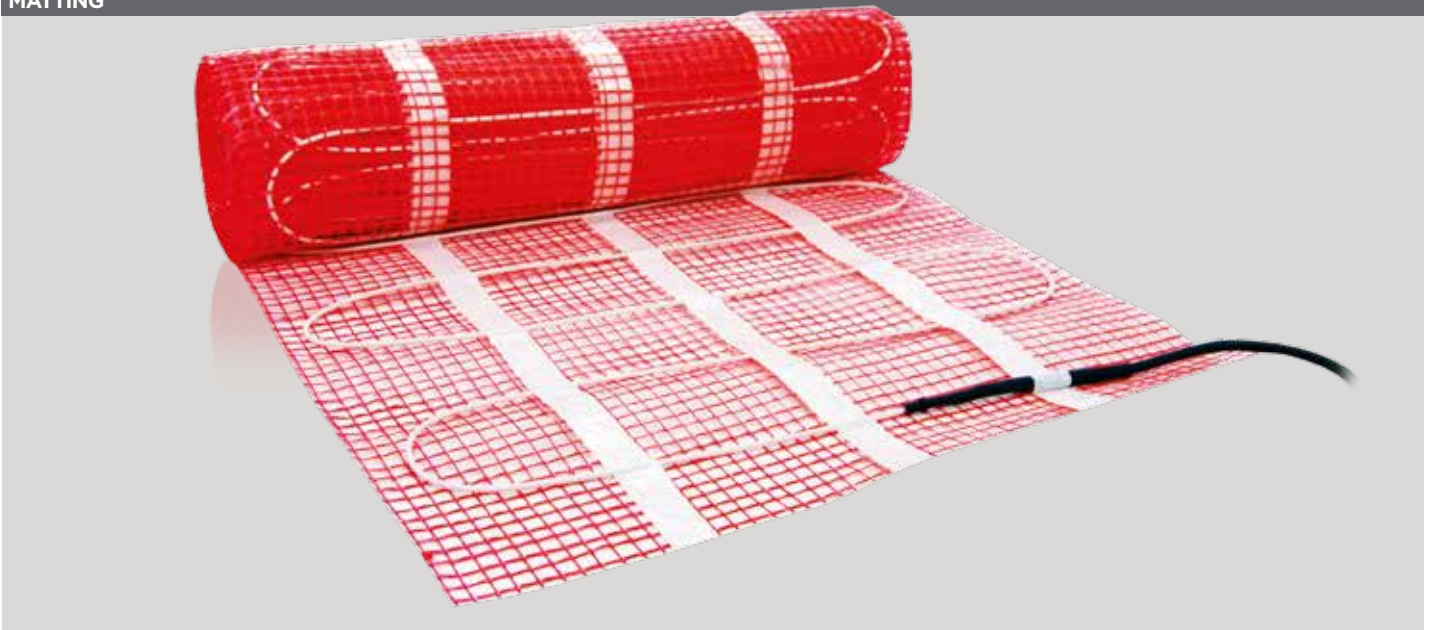


Avoid heat loss and maximise the efficiency of your underfloor heating system

# ELECTRIC UFH

ELECTRIC UFH

## MATTING



### 150W/M<sup>2</sup> MATTING

| Code | Description                                   | RRP     |
|------|---|---------|
| 8500 | 150W/m <sup>2</sup> Matting 1m <sup>2</sup>   | £46.08  |
| 8503 | 150W/m <sup>2</sup> Matting 1.5m <sup>2</sup> | £69.12  |
| 8506 | 150W/m <sup>2</sup> Matting 2m <sup>2</sup>   | £92.16  |
| 8509 | 150W/m <sup>2</sup> Matting 2.5m <sup>2</sup> | £115.20 |
| 8512 | 150W/m <sup>2</sup> Matting 3m <sup>2</sup>   | £138.24 |
| 8515 | 150W/m <sup>2</sup> Matting 4m <sup>2</sup>   | £184.32 |
| 8518 | 150W/m <sup>2</sup> Matting 5m <sup>2</sup>   | £230.40 |
| 8521 | 150W/m <sup>2</sup> Matting 6m <sup>2</sup>   | £276.48 |
| 8524 | 150W/m <sup>2</sup> Matting 8m <sup>2</sup>   | £368.64 |
| 8527 | 150W/m <sup>2</sup> Matting 10m <sup>2</sup>  | £460.80 |
| 8530 | 150W/m <sup>2</sup> Matting 12m <sup>2</sup>  | £552.96 |

### 200W/M<sup>2</sup> MATTING

| Code | Description                                   | RRP     |
|------|---|---------|
| 8550 | 200W/m <sup>2</sup> Matting 1m <sup>2</sup>   | £51.84  |
| 8552 | 200W/m <sup>2</sup> Matting 1.5m <sup>2</sup> | £77.76  |
| 8554 | 200W/m <sup>2</sup> Matting 2m <sup>2</sup>   | £103.68 |
| 8556 | 200W/m <sup>2</sup> Matting 2.5m <sup>2</sup> | £129.60 |
| 8558 | 200W/m <sup>2</sup> Matting 3m <sup>2</sup>   | £155.52 |
| 8560 | 200W/m <sup>2</sup> Matting 4m <sup>2</sup>   | £207.36 |
| 8562 | 200W/m <sup>2</sup> Matting 5m <sup>2</sup>   | £259.20 |
| 8564 | 200W/m <sup>2</sup> Matting 6m <sup>2</sup>   | £311.04 |
| 8566 | 200W/m <sup>2</sup> Matting 8m <sup>2</sup>   | £414.72 |
| 8568 | 200W/m <sup>2</sup> Matting 10m <sup>2</sup>  | £518.40 |
| 8570 | 200W/m <sup>2</sup> Matting 12m <sup>2</sup>  | £622.08 |

## TOUCHSCREEN THERMOSTATS

### Heat your home efficiently.

Our Thermostats fit into any interior and provide ultimate control of your underfloor heating system.

Rising energy costs are forcing us to be more careful about our energy use and the 8259 features a 7 day, 6 event programmable heating schedule which can be set up to provide efficient heating that fits perfectly with your lifestyle.

Thermotouch 4.3iC™ features a 7 day (5+1+1) 6 event heating schedule and can control underfloor heating systems of up to 16 Amps.

The beautiful 4.3 inch colour touchscreen is LED backlit and makes controlling and programming your electric underfloor heating system intuitive and easy.

### TOUCHSCREEN THERMOSTAT 8259



7 day programmable heating schedule. Heat your home simply and efficiently.

| Code | Description                 | RRP     |
|------|-----------------------------|---------|
| 8259 | Touchscreen Thermostat 8259 | £108.00 |

### THERMOTOUCH 4.3iC™



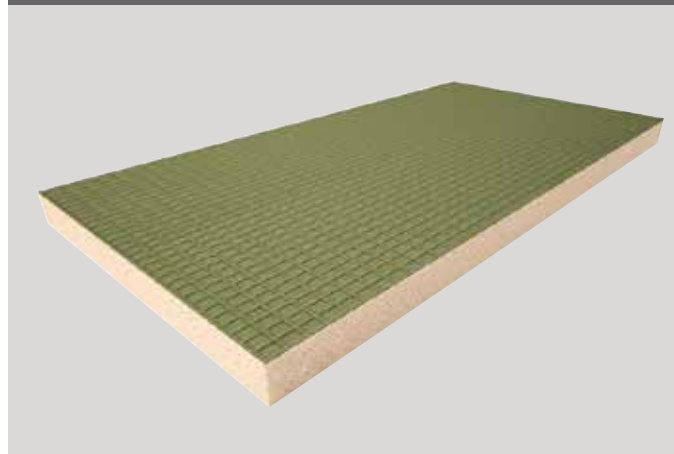
| Code | Description                                     | RRP     |
|------|---|---------|
| 5240 | Thermotouch 4.3iC colour touchscreen thermostat | £178.70 |

LOOSE WIRE CABLE



| Code | Description                              | RRP     |
|------|--|---------|
| 8602 | Loose Wire Cable - 1 to 2m <sup>2</sup>  | £69.12  |
| 8604 | Loose Wire Cable - 2 to 3m <sup>2</sup>  | £92.16  |
| 8606 | Loose Wire Cable - 3 to 4m <sup>2</sup>  | £115.20 |
| 8612 | Loose Wire Cable - 4 to 6m <sup>2</sup>  | £184.32 |
| 8616 | Loose Wire Cable - 5 to 7m <sup>2</sup>  | £230.40 |
| 8620 | Loose Wire Cable - 7 to 10m <sup>2</sup> | £322.56 |

INSULATION BOARDS



| Code | Description                                 | RRP             |
|------|---|-----------------|
| 6106 | Coated Insulation Board 6mm 1200 x 600      | £26.16          |
| 6110 | Coated Insulation Board 10mm 1200 x 600     | £28.03          |
| 6112 | Coated Insulation Board 12mm 1200 x 600     | £29.85          |
| 6120 | Coated Insulation Board 20mm 1200 x 600     | £31.11          |
| 6130 | Coated Insulation Board 30mm 1200 x 600     | £35.88          |
| 6140 | Coated Insulation Board 40mm 1200 x 600     | £41.66          |
| 6150 | Coated Insulation Board 50mm 1200 x 600     | £43.98          |
| 6014 | Uncoated Insulation Board 10.5mm 1300 x 600 | £117.89 Pack 10 |

FIXING WASHERS

| Code | Description                | RRP    |
|------|----------------------------|--------|
| 6016 | Zinc Fixing washers pk 100 | £20.19 |

| Cable Kit                                 | Heating Mat                               | Thermostat             | Insulation                   |
|---|---|------------------------|------------------------------|
| 6 Kit sizes available                     | Fully self adhesive                       | Touchscreen control    | Coated or uncoated           |
| Costs less than 3p/m <sup>2</sup> per day | Adds only 3mm build up                    | LED backlit display    | Makes UFH 50% more efficient |
| Zero maintenance                          | Efficient heating                         | 7 day, 6 event program | From 6mm thick               |
| Simple installation                       | 100% safe                                 | Comfort and Eco modes  | Cost effective               |
| Fully earthed                             | Costs less than 3p/m <sup>2</sup> per day | Floor sensor included  | Simple installation          |

MANUAL THERMOSTAT

A simple on/off switch and temperature control dial makes manual control of your underfloor heating system quick and easy.

MANUAL THERMOSTAT 8250



Manual thermostat with an on/off switch and temperature control dial

| Code | Description       | RRP    |
|------|-------------------|--------|
| 8250 | Manual Thermostat | £54.00 |