klima
underfloor heating systems

KLIMA.CO.UK

PRODUCT GUIDE

WATER | ELECTRIC | INSULATION | THERMOSTATS

POWERD BY

MAGNUM HEATING
Comfort | Safety | Control

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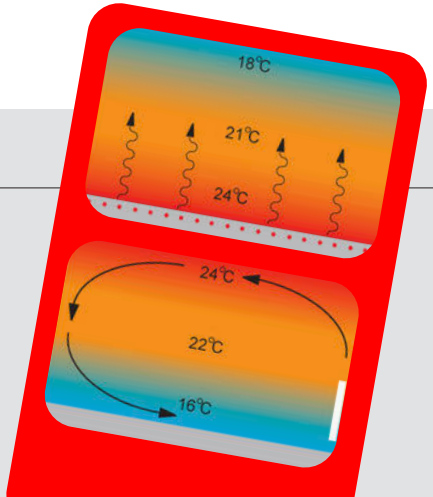
KLIMA UNDERFLOOR HEATING

Klima underfloor heating is part of the Magnum Heating group which has been manufacturing and supplying Floor Heating systems for nearly 30 years.

As specialists in water and electrical underfloor heating systems, Klima has many years of experience in the development, maintenance and after sales/support of all kinds of electrical and water underfloor heating systems. We offer a wide range of water and electrical heating systems that can be used in houses, offices, restaurants, hospitals, garages, shops, etc. Our Klima brand is sold via leading wholesalers.

HOW DOES ELECTRIC UNDERFLOOR HEATING WORK?

Underfloor heating takes the chill off normally cold floor finishes such as Tiles, Laminate flooring and is very comfortable to walk on. Floor heating radiates a natural, even heat spread across the entire floor, unlike traditional convection radiators where high surface temperatures have to be achieved to heat the room. Underfloor heating is the modern, cost effective and space saving way to heat an area, we would always recommend insulating the subfloor to improve efficiency and improve reaction times.



WHAT SYSTEM DO I REQUIRE?

VINYL

Customer must always firstly check with the Vinyl or LVT manufacturer for:
1) If its compatible with Electric Underfloor heating
2) Confirm the manufactures method on how to install their product with underfloor heating.

WHEN THE ABOVE HAS BEEN CONFIRMED.
Use the Klima Underfloor Heat Mat System – normally a minimum 10mm self-levelling compound over the mat will be required.

Klima Mat Sizes*
1 sqm mat, 1.5 sqm mat
2 sqm mat, 2.5 sqm mat
3 sqm mat, 3.5 sqm mat
4 sqm mat, 4.5 sqm mat
5 sqm mat, 6 sqm mat
7sqm mat, 8 sqm mat
9 sqm mat, 10 sqm mat

REQUIRED ADDITIONAL PRODUCTS

Thermostat Range
Klima MIC Thermostat
Klima Wifi Thermostat

We would always recommend laying the product on an insulated subfloor.

Recommend products 6mm thermal insulation board (covers 4.8 sqm) 10mm thermal insulation board (covers 3 sqm)

TILES
(Stone, Marble, slate and similar)
Klima mat system required

Klima Mat Sizes*
1 sqm mat, 1.5 sqm mat
2 sqm mat, 2.5 sqm mat
3 sqm mat, 3.5 sqm mat
4 sqm mat, 4.5 sqm mat
5 sqm mat, 6 sqm mat
7sqm mat, 8 sqm mat
9 sqm mat, 10 sqm mat

REQUIRED ADDITIONAL PRODUCTS

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WOODEN ONLY FLOOR FINISH

For use under either a floating click together laminate or engineered wooden floor only, it cannot be a nailed or glued down.

Klima Foilmat Sizes*
1sqm Foilmat, 2sqm Foilmat
3sqm Foilmat, 4sqm Foilmat
5sqm Foilmat, 6sqm Foilmat
7sqm Foilmat, 8sqm Foilmat
9sqm Foilmat, 10sqm Foilmat

REQUIRED ADDITIONAL PRODUCTS

Underlay A minimum thickness of 5mm PS type underlay (for underneath laminate, and suitable for underfloor heating) is required for the Foilmat installation.

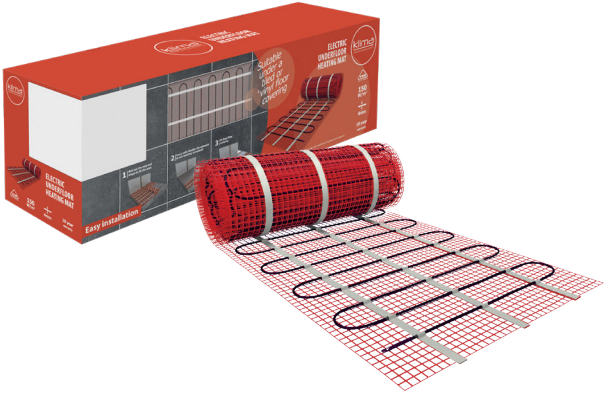
Thermostat Range
Klima MIC Thermostat
Klima Wifi Thermostat

CARPET

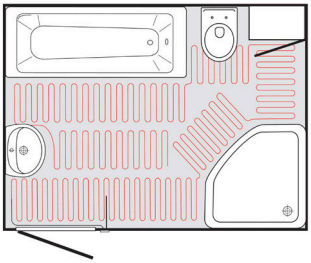
Not suitable for our range of products

***Mat & Foilmat sizes**
Bigger sizes can be achieved by connecting the mats in parallel into the back of the thermostat.

ELECTRIC UNDERFLOOR HEATING MAT



The Klima Underfloor Heating Mat is designed for under a tile or similar floor finish. Only 4mm thick and can be laid into a layer of flexible tile adhesive or a compatible self leveller. The heating cable is fixed evenly over the fibreglass mesh (inter-loop distance approx. 7cm) and has a standard capacity of 150W/m^2.
Can be adapted for use with vinyl floor – see instructions.

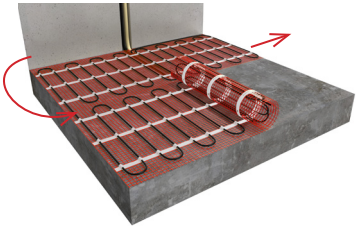


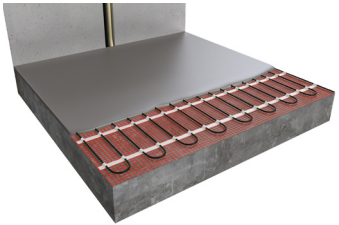
Kit content
- Underfloor heating mat
- Instruction manual
- 10 mm flexible conduit pipe for floor sensor

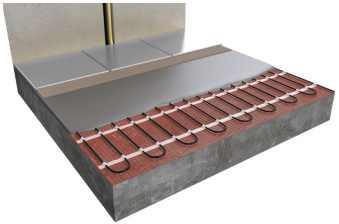
Additional required items
- Klima Digital Thermostat
- Klima Manual Thermostat

Recommended items
- 6 mm thermal boards
- 10 mm thermal boards

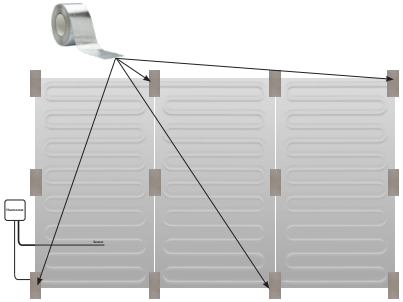
Mat can be cut and shaped to fit awkward area. Do not overlap cable and keep a minimum separation of 50mm.

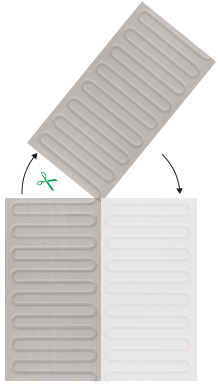






UNDERWOOD HEATING FOILMAT





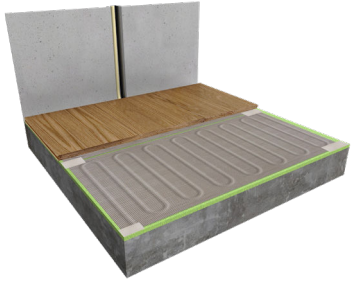
The Klima Underfloor Heating foil Mat is a heating system designed to go underneath a floating click together laminate or engineered wooden floor finish. The Foilmat is only 3mm thick and needs to be laid on top of a minimum 5mm PS insulation. The heating cable is fixed evenly inside the aluminium foil and has a standard capacity of 140 W/m^2.

Kit content

- Underwood Heating Foilmat
- Instructions Manual
- 10mm flexible conduit pipe for floor sensor
- Aluminium tape

Additional required items

- Klima Digital Thermostat
- PS Insulation minimum 5mm thickness



THERMAL INSULATION BOARDS

Key Info
- 3m² supplied as 5 plates 60x100x1cm
- 4.8m² supplied as 8 plates 60x100x0.6cm
- Resistance to damp & rotting
- Fire Proof
- Very low moisture absorption
- Easy to cut and shape

For use in conjunction with the Klima mat system. Thermal Board Kits make it possible to introduce extra floor insulation where the structure height is limited. They raise the insulating properties of the underlay and increases the yield and reaction times for the heating system, lowering energy consumption. A Klima Mat can be laid directly on top and then covered with a self-levelling compound or encapsulated within a bed of tile adhesive.

C16 THERMOSTAT

The C16 Wi-Fi thermostat is an intuitive programmable thermostat designed to control electric underfloor heating systems. Install the App on your smart device to control the heating system remotely with this Wi-Fi thermostat.

Package content
- C16 WiFi Thermostat
- Cover frame
- Floor sensor (12K)
- Installation instructions

Warranty
- 2 year guarantee on the electrical operation and floor sensor

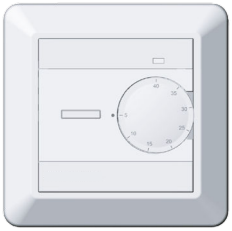
INTELLIGENT CONTROL

Klima has the perfect solution for temperature regulation: The Klima Intelligent-Control thermostat. This stylish and sophisticated digital built in clock thermostat has been specially designed for our electrical heating systems. The Klima Intelligent-Control thermostat is even easier to program and to use. Step by step instructions are provided for easy programming.

Package content
- Thermostat
- Installation instructions
- Floor sensor

Warranty
- 2 year guarantee on the electrical operation and floor sensor

S-CONTROL

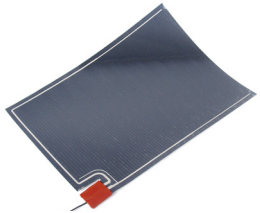


In some situations, a digital control is not necessary, and a simple on/off control is preferred. Especially in industrial applications or if continuous heating is required. For this purpose MAGNUM has developed the Standard Control: a simple on/off thermostat with temperature control that excels in simplicity and ease of use.

Package content
- Thermostat
- Installation instructions
- Floor sensor

Warranty
- 2 year guarantee on the electrical operation and floor sensor.

ADDITIONAL PRODUCTS



Mirror demisting pads

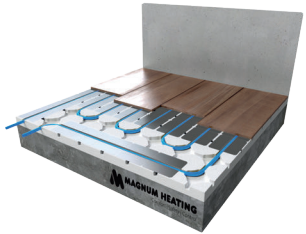
Frost-free Cable

Inscreed cable

WATER UNDERFLOOR HEATING SYSTEMS

SlimFit 10 & 12 mm

MAGNUM Castellated Plates



DryFloor

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