

# Microfoil

Floor heating for laminate and wooden flooring





# MAGNUM<sup>®</sup> Microfoil

## Floor heating for laminate and wooden flooring

The use of luxury timber flooring is becoming more popular and as a result of market demand, Magnum has developed a technically advanced system as a heating solution for real wood and laminate floors.

Most existing systems suitable for timber flooring require to be installed in a cement screed however Magnum Microfoil heating system can be placed directly underneath wooden, parquet or laminate floors. This very thin floor heating system (only 0.3 mm!) is controlled by a digital clock-thermostat with floor sensor, which ensures an even heat distribution throughout the floor. The floor temperature will be limited to a recommended maximum temperature of 28°C. \*

Magnum Microfoil should be placed on 6mm thin polystyrene insulation plates, these insulation plates not only increase the thermal value of the floor but also reduce noise.

Magnum Microfoil is simple to install, can be cut to size and ensures a comfortable warm environment when using a timber floor.

\* Please consult your wooden floor supplier



**When and how to use:**

- Directly under wooden, laminate or parquet flooring
- Can be cut to the required length
- Living Room
- Bedroom
- Kitchen
- Conservatory
- Office

**Sectors:**

- Utility Building
- Offices
- Recreation

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## Product and technical information

### MAGNUM Microfoil is delivered as a complete set:

- Magnum Microfoil supplied in 5, 10 or 15 m<sup>2</sup> kits.
- Magnum Intelligent Control digital clock thermostat
- Sensor and flexible sensor tube.
- Insulation tape
- Connection crimps
- Connection cables
- Clearly explained manual guide
- Free crimp tool

### Also available:

- Magnum Isoplate, pressure insulation plates, pack of 6m<sup>2</sup>
- 0.2mm moisture barrier

### System approval:

According to the last European rules: SEMKO, CE approval (low voltage directive 73/23/EEC/ en 93/68/EEC/ EN 60335-2-96:2002+A1).

### Guarantee:

The electro technical part of the floor heating is guaranteed for 10 years. The thermostat is guaranteed for 2 years. The guarantee does not apply to damage caused by external factors and/or incorrect installation. Magnum Microfoil should be connected to 230 V supply. Installation should be done by a qualified electrician in accordance with IEE & current building regulations.

### Technical information:

Only 0.3 mm thick and 600mm wide, with a power output of 80 or 120 Watt/m<sup>2</sup>.

Maximum length: 18 meters x 0.60 meters. Magnum Microfoil can only be used for laminate and wooden floors with a maximum thickness of 22mm.

The foil must never be adhered to the wood or laminate. We would advise that you consult the manufacturer of your wooden flooring to ensure that their product is suitable for use with electrical floor heating.

The floor covering and underlay may not have a higher thermal resistance  $R = 0.18 \text{ W/m}^2\text{K}$ .

Magnum Microfoil should only be used as supplementary heating and in dry conditions, IP X1.

Floor temperature will be limited to 28 degree Celsius by the digital clock thermostat with floor sensor.

Magnum Microfoil should always be installed on top of the 6mm Magnum Isoplate. Magnum can supply these polystyrene insulation plates. The Magnum Microfoil should also be covered by a 0.2 mm moisture barrier.

Magnum Microfoil must be connected to an RCD (max 30mA).

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**[www.magnumheating.co.uk](http://www.magnumheating.co.uk) or call: 01887 822999**

### Art.nr.

### MAGNUM Microfoil set 120Wm<sup>2</sup>

361005	5m <sup>2</sup> (0,6 x 8,4mtr.) MAGNUM Microfoil set 120Wm <sup>2</sup> + MAGNUM Intelligent-Control digital clock thermostat *
361010	10m <sup>2</sup> (0,6 x 16,8mtr.) MAGNUM Microfoil set 120Wm <sup>2</sup> + MAGNUM Intelligent-Control digital clock thermostat *
361015	15m <sup>2</sup> (0,6 x 25mtr.) MAGNUM Microfoil set 120Wm <sup>2</sup> + MAGNUM Intelligent-Control digital clock thermostat *
730300	6m <sup>2</sup> MAGNUM Isoplate, 6mm, 10 x 1,2x0,5mtr.

\* Set contains: MAGNUM Microfoil 100watt/m<sup>2</sup>, MAGNUM Intelligent-Control digital clock thermostat with floor sensor, Flexible sensor tube, 2 x 15 mtr. Connection wire, Black/Blue, Insulation tape, Connection crimps, Connection cables, clearly explained installation manual, free crimp tool.

### Art.nr.

### MAGNUM Microfoil projects larger than 15m<sup>2</sup>, 80/120wm<sup>2</sup> and options

360080	MAGNUM Microfoil 80Wm <sup>2</sup> 0,6 x ...meter (per m <sup>2</sup> )
360120	MAGNUM Microfoil 120Wm <sup>2</sup> 0,6 x ...meter (per m <sup>2</sup> )
720810	Microfoil crimp tool
730300	6m <sup>2</sup> MAGNUM Isoplate, 6mm, 10 x 1,2x0,5mtr.
720815	Microfoil connection set for 10m <sup>2</sup> foil **

\*\* Set contains: 2 x 15 mtr. Connection wire Black/Blue, Connection crimps, Insulation tape, PP tape, Flexible sensor tube.

### Art.nr.

### Thermostat and options

825500	MAGNUM Intelligent-Control digital clock thermostat incl. floor sensor
863130	Silver frame set for MAGNUM Intelligent-Control
863140	Graphite Black frame set for MAGNUM Intelligent-Control
863150	Pergamon (off white) frame set for MAGNUM Intelligent-Control
827000	S-Control on/off thermostat incl. floor sensor
863010	Back box for Intelligent-Control and S-Control



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Specialists in electrical underfloor heating

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