

# F Series Foil Heating Mats for laminate and engineered wood floors

- Providing economic heating and luxurious warm floors in any room including bathrooms
- Easy to install without requiring adhesive or compounds
- Manufactured to the highest quality for complete peace of mind and backed by a 10 year warranty



## Applications

- Suitable for any room including bathrooms
- Specifically designed for use with laminate or engineered wood floors

## Features

- An F Series Foil Heating Mat can be manipulated to fill a space in the same way as a conventional underfloor heating mat
- Low profile design (approximately 2mm thick) keeps the increase in floor height to a minimum
- The heating cable are sandwiched between two layers of aluminium foil for excellent heat distribution
- Pre-wired 3m power lead

## Specification

- Approved to EN 60335-1:2012, EN 60335-2-96:2003, EN 55014-1:2006, EN 55014-2:1997
- Heating Cable: CuNi, CuZn alloy with ETFE double insulation
- 230V Supply

## Installation

F Series Foil Heating Mats are installed directly below the final floor surface (laminate or engineered wood).

The mat should be installed on top of a layer of extruded polystyrene sheet which will act as an underlay. This layer will also improve the floor insulation levels, limiting downward heat loss and improving economy. BN Thermic's I-Board-6 is ideal for this application.

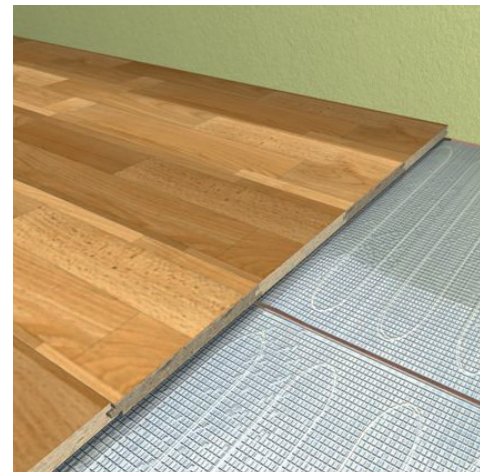
The mat runs should be taped down using AL-50 aluminium tape. One roll of tape will be required for approximately 10m<sup>2</sup> of floor area.

## Selection

The objective is generally to cover as high a percentage of the free floor area as possible. The free floor area is defined as the floor area not occupied by permanent fixtures such as kitchen cabinets and shower trays.

As a rule of thumb, we suggest selecting a mat with an area approximately 10% less than the free floor area. This will allow for perimeter spacing and ensure easy installation

For large rooms it is common practice to use more than one foil mat. In these circumstances the mats are usually connected in parallel and controlled by a single thermostat. When the combined load exceeds the switching capacity of the thermostat, it will be necessary to incorporate a contactor into the control circuit. Alternatively, BN Thermic's Wireless Control System allows several heating mats to be controlled without a contactor (see page 18)



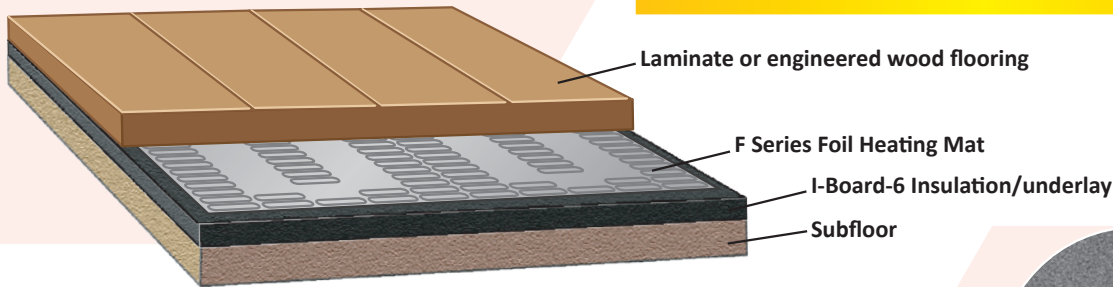
**F Series foil heating mat specifically designed for laminate and engineered wood floors**

## F Series Foil Heating Mats – Specifications

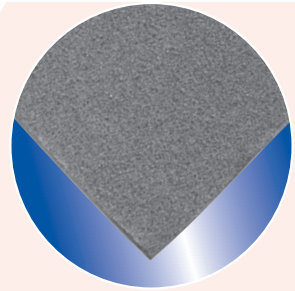
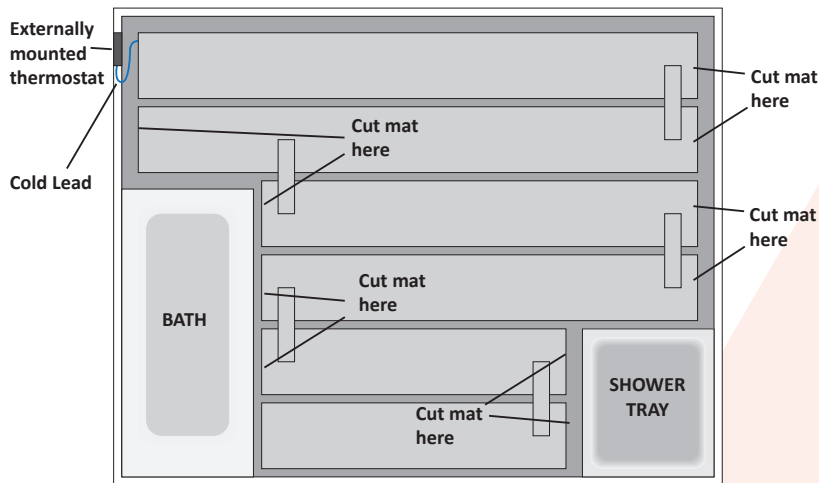
Model	kW	Heated Area (m <sup>2</sup> )	Mat Size (m)
F140-010	0.14	1.0	2.0 x 0.5
F140-015	0.21	1.5	3.0 x 0.5
F140-020	0.28	2.0	4.0 x 0.5
F140-030	0.42	3.0	6.0 x 0.5
F140-040	0.56	4.0	8.0 x 0.5
F140-050	0.70	5.0	10 x 0.5
F140-060	0.84	6.0	12 x 0.5
F140-070	0.98	7.0	14 x 0.5
F140-080	1.12	8.0	16 x 0.5
F140-090	1.26	9.0	18 x 0.5
F140-100	1.40	10	20 x 0.5
F140-120	1.68	12	24 x 0.5
F140-140	1.96	14	28 x 0.5

### A low profile F Series Installation

**FOR THERMOSTATS - See PAGE 17**



### Typical F Series Installation in a bathroom



I-Board-6 only 6mm thick providing insulation and underlay



LHT High Adhesive Tape

### Insulation and tape for F Series foil mats

F Series foil heating mats should be installed onto a layer of I-Board-6 insulation underlay which can be held in place using LHT moisture resistant fixing tape. The foil mat should be taped down using AL-50 aluminium tape.

Model	Description	Area Covered (m <sup>2</sup> )
I-Pack-6	Pack of 19 sheets I-Board-6 insulation/underlay 6mm thick	9.76m <sup>2</sup>
I-Board-6	Individual sheet insulation/underlay 6mm thick	0.5m <sup>2</sup>
LHT	50m High Adhesive Tape (one roll for 10m <sup>2</sup> floor area)	
AL-50	45m Aluminium Tape (one roll for every 10m <sup>2</sup> floor area)	



AL-50 Aluminium Tape