



## Applications

- ◆ F-mat is designed for wooden floor, laminate floor and under carpet heating.
- ◆ F-mat can be cut and turned to achieve the required floor coverage and multiple mats can be joined together to cover large areas. When fitting underfloor heating, a suitable insulation should always be used, (especially over concrete sub floors).
- ◆ 80W/m<sup>2</sup> 150W/m<sup>2</sup> provided for customers choose. At 150W/m<sup>2</sup> the electric heating system can be used as a Primary Heat source, or just for floor warming.
- ◆ Approvals  



## Commodity Introduction

F-mat uses twin conductor heating cable with fluoropolymer insulation, and embed in a reinforced aluminium foil mat. The mat total thickness is ultra thin about 1.8mm, decreases the floor height and increases the comfort level.

## Technical Data

Cable construction	Twin conductor
Conductor	Solid heating core
Insulation	Fluoropolymer
Cable spacing	50mm
Cable diameter	1.0mm
Connector	Out splice
Max Ambient Temp	30°C
Min Installation Temp	5°C
Rated voltage	230VAC
Power output	80W/m <sup>2</sup> 150W/m <sup>2</sup>
Resistance tolerance	+10/-5 %
Cold lead	2.5m length

## Features

- ◆ 80W/m<sup>2</sup> 150W/m<sup>2</sup>
- ◆ Twin conductor heating cable
- ◆ 2.5 meters cold lead
- ◆ Only one cold tail for ease of installation
- ◆ Ultra thin, only 1.8mm
- ◆ Emit zero EMF (electromagnetic field)
- ◆ Flexible installation
- ◆ Durable construction
- ◆ Fully earthed



Part Number	Heat Area m <sup>2</sup>	Mat Size m×m	Wattage w
F-mat80-1.0	1	0.5×2	80
F-mat80-1.5	1.5	0.5×3	120
F-mat80-2.0	2	0.5×4	160
F-mat80-2.5	2.5	0.5×5	200
F-mat80-3.0	3	0.5×6	240
F-mat80-3.5	3.5	0.5×7	280
F-mat80-4.0	4	0.5×8	320
F-mat80-4.5	4.5	0.5×9	360
F-mat80-5.0	5	0.5×10	400
F-mat80-6.0	6	0.5×12	480
F-mat80-7.0	7	0.5×14	560
F-mat80-8.0	8	0.5×16	640
F-mat80-9.0	9	0.5×18	720
F-mat80-10	10	0.5×20	800
F-mat80-12	12	0.5×24	960

Part Number	Heat Area m <sup>2</sup>	Mat Size m×m	Wattage w
F-mat150-1.0	1	0.5×2	150
F-mat150-1.5	1.5	0.5×3	225
F-mat150-2.0	2	0.5×4	300
F-mat150-2.5	2.5	0.5×5	375
F-mat150-3.0	3	0.5×6	450
F-mat150-3.5	3.5	0.5×7	525
F-mat150-4.0	4	0.5×8	600
F-mat150-4.5	4.5	0.5×9	675
F-mat150-5.0	5	0.5×10	750
F-mat150-6.0	6	0.5×12	900
F-mat150-7.0	7	0.5×14	1050
F-mat150-8.0	8	0.5×16	1200
F-mat150-9.0	9	0.5×18	1350
F-mat150-10	10	0.5×20	1500
F-mat150-12	12	0.5×24	1800