

## Mats for Heating Carpet, Laminate and Floating Engineered Floors

Warmzone's FoilHeat cut-and-turn floor heating mat is a unique electric radiant floor heating system that is designed for use under carpet, laminate, engineered wood and other floating floors. The FoilHeat mats can be cut and shaped on site to meet the specific requirements of the project. The efficient floor heating system is ideal for heating any size or shape room, from basements to bedrooms, offices, etc.

### Features and Benefits

- Easy "roll out" installation.
- Installs between the insulation pad and the floor.
- Virtually no floor buildup with grounded flat aluminum. No thin-set is required.
- Completely grounded and safe.
- Aluminum construction distributes heat quickly and evenly.
- Watertight, even to steam-clean carpets.
- 12W/sq. ft. or 41 BTUs/sq. ft.
- UL-approved.
- 15-year Warranty and manufacturer installation guarantee.



### Laminate and Under Carpet Floor Heating Mat

FoilHeat is an ultra thin electric radiant floor heating system primarily for use under laminate, engineered wood, glued hardwood and other floating floors. The principle advantages of using FoilHeat include ease of installation, rapid response time, and uniform heating of your laminate flooring. The special materials used makes it free from problems of 'Hot-Spots' or localized heating.



### Construction

The FoilHeat system is made with fluoropolymer insulated heating cables that are sandwiched between two layers of specially reinforced aluminum foil. The uniform spacing of the heating elements, further backed by the aluminum foil, ensures even heat distribution. The heating element is connected to a power-supply cable, which exits the laminate mat from one corner. The power lead is a flat thin two core flexible cord, consisting of two insulated conductors with a metal sheath and an

outer sheath. Depending on your heating requirement, FoilHeat is available in nominal heat outputs of 80 W/m<sup>2</sup> and 140 W/m<sup>2</sup> at 230V. It is available in predetermined lengths with cold tail – prefabricated and tested in a carefully controlled factory environment.

## Specifications

<b>Power:</b>	Available in 120V and 240V
<b>Output rating:</b>	80W per sq. meter (3.28 ft.) and 140W per square meter (3.28 ft.)
<b>Thickness:</b>	1/8-inch (3 mm)
<b>Cable Spacing</b>	2 inches (50 mm)
<b>Cold Lead:</b>	10 feet (3.0 meters)
<b>Connections:</b>	3 core grounded cord attached
<b>Inner Insulation:</b>	Advanced flouropolymers

## Sizing Guide (120V)

Area (sq.ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
10	Foil-10-120	6.1	120	1.0	120
15	Foil-15-120	9.2	180	1.5	80
20	Foil-20-120	12.2	240	2.0	60
25	Foil-25-120	15.3	300	2.5	48
40	Foil-40-120	24.5	480	4.0	30
50	Foil-50-120	30.6	600	5.0	24
60	Foil-60-120	36.7	720	6.0	20
70	Foil-70-120	42.8	840	7.0	16

## Sizing Guide (240V)

Area (sq.ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
20	Foil-20-240	12.2	240	1.0	240
25	Foil-25-240	15.3	300	1.3	192
40	Foil-40-240	24.5	480	2.0	120
50	Foil-50-240	30.6	600	2.5	96
60	Foil-60-240	36.7	720	3.0	80
70	Foil-70-240	42.8	840	3.5	69
95	Foil-95-240	57.1	1140	4.8	51
115	Foil-115-240	70.1	1380	5.8	42
130	Foil-130-240	79.3	1560	6.5	37
140	Foil-140-240	85.4	1680	7.0	34

