

## FoilHeat™ Floor Heating Mats Data Sheet

## GENERAL PRODUCT INFORMATION

The FoilHeat™ floor heating system features an ultra thin electric radiant floor heating element 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 FoilHeat mats can be cut and shaped onsite 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, kitchens, and offices, etc.

### Features Include:

- 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 per sq. ft. or 41 BTUs per sq. ft.
- UL-approved
- 5-year Warranty and manufacturer installation guarantee
- Maintenance free



### 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 thin, flat 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. Mats are available in predetermined lengths with cold tail – prefabricated and tested in a carefully controlled factory environment.

### FoilHeat Specifications

Power	Available in 120V and 240V
Output Rating	80W per sq. meter (3.28 ft.) and 140W per square meter (3.28 ft.) at 230V
Thickness	1/8-inch (3 mm)
Cable Spacing	2-inches (50 mm)
Cold Lead	10 feet (3.0 m)
Connections	3 core grounded cord attached
Inner Insulation	Advanced fluoropolymers

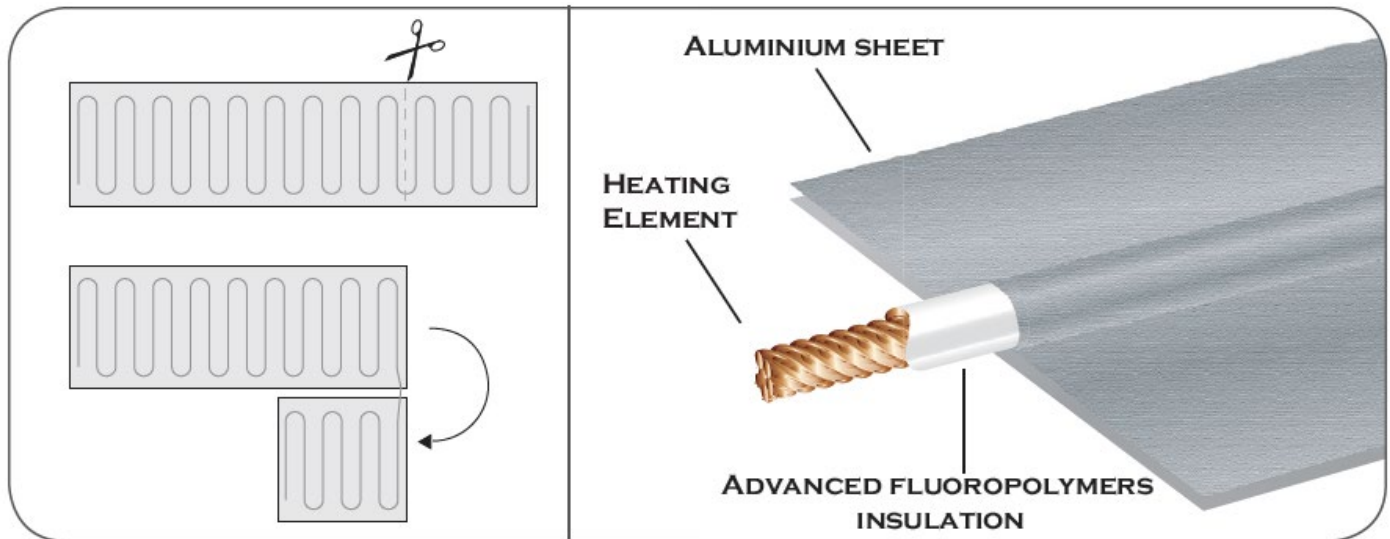


## Sizing Guide (120V)

Area (Sq. ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
10	LM1010	6	120	1.0	120
15	LM1015	9	180	1.5	80
20	LM1020	12	240	2.0	60
25	LM1025	15	300	2.5	48
30	LM1030	18	360	3.0	40
40	LM1040	24	480	4.0	30
45	LM1045	27	540	4.5	27
50	LM1050	30	600	5.0	24
60	LM1060	36	720	6.0	20
70	LM1070	42	840	7.0	17

## Sizing Guide (240V)

Area (Sq. ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
25	LM2025	15	300	1.25	192
50	LM2050	30	600	2.50	96
95	LM2095	57	1140	4.75	51
140	LM2140	84	1680	7.00	34



### WARRANTY INFORMATION

FoilHeat Element: 5-year warranty.

Thermostat: 2-year limited warranty.