

Mats for Heating Carpet, Laminate and Floating Engineered Floors

The 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

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/m² and 140 W/m² at 230V. It is available in predetermined lengths with cold tail – prefabricated and tested in a carefully controlled factory environment.

Specifications

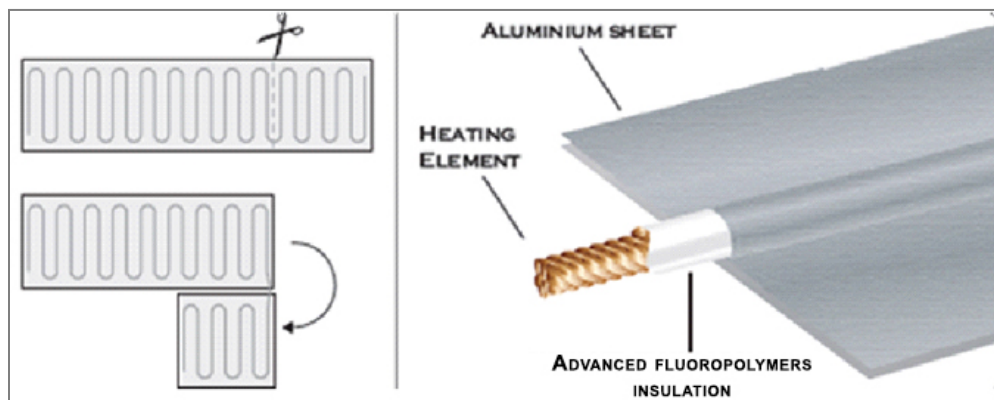
Power:	Available in 120V and 240V
Output rating::	80W per sq. meter (3.28 ft.) and 140W per square meter (3.28 ft.)
Thickness:	1/8-inch (3 mm)
Cable Spacing	2 inches (50 mm)
Cold Lead:	10 feet (3.0 meters)
Connections:	3 core grounded cord attached
Inner Insulation:	Advanced flouropolymers

Sizing Guide (120V)

Area (sq.ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
10	LM1010	6.1	120	1.0	120
25	LM1025	15.3	300	2.5	48
50	LM1050	30.6	600	5.0	24
70	LM1070	42.8	840	7.0	16

Sizing Guide (240V)

Area (sq.ft.)	Heating Mats	Length (ft.)	Wattage (W)	Amps (A)	Resistance
25	LM2025	15.3	300	1.25	192
50	LM2050	30.6	600	2.5	96
95	LM2095	57.1	1140	4.75	51
140	LM2140	84.6	1680	7.0	34



Cutting and making turns.

Illustration of FoilHeat heating mat.