

Warmup® Foil Heaters



The Warmup® Foil Heater is a streamlined electric radiant floor heating system designed for use with laminate, engineered wood and other floating floors. It can be conveniently installed under the floor finish in both dry and wet areas without the need for additional earth grids.



Features

- Installed directly under floor finish; no self-levelling required
- Fully earthed flat aluminium foil won't raise floor levels
- Wire based system can be adapted to fit around objects
- Great for heating under floating floors such as laminate and hardwood

Technical Data

- Construction: ECTFE wire encased in aluminium foil
- Operating voltage: 230V: 50Hz
- Output rating: 140W/m²
- Mat Width: 0.5m
- Mat Length: min 3m, max 20m
- Heating Cable Spacing: 50mm
- Cold Lead Length: 3m
- Approvals: CE, SEMKO
- 15-Year Warranty & SafetyNet™ Installation Guarantee

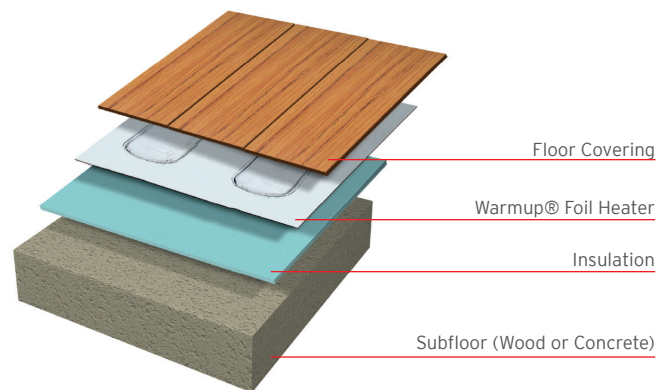


Size Guide

Area to be heated (m ²)	Heaters	Wattage (W)	Amps
1	WLFH1	140	0.61
1.5	WLFH1.5	210	0.91
2	WLFH2	280	1.22
3	WLFH3	420	1.83
4	WLFH4	560	2.43
5	WLFH5	700	3.04
6	WLFH6	840	3.65
7	WLFH7	980	4.26
8	WLFH8	1120	4.87
9	WLFH9	1260	5.48
10	WLFH10	1400	6.09

A maximum of 25m² of heating can be used with one thermostat.

Application



AMORIM

Excellence in flooring

WARMUP® Foil Heaters compatible with Wicanders Products!

AMORIM REVESTIMENTOS is the world leader producer of cork and wood on cork floorings, with over 140 years of experience. Recently, they chose WARMUP® as their underfloor heating partner worldwide. Warmup Foil heater is designed to be easily installed under the following:

- **Corkcomfort**
- **Woodcomfort**

The Wicanders cork layout can also be used as insulation.

Installation

Measuring and Planning

Before installing, draw an installation plan showing the placement of the mats, floor sensor, and junction box or boxes.

Clean the debris from the floor base before inserting the Warmup insulation board and then clean all debris from the surface of the grout or insulating material.

Laying the foil heating system

Roll out heating mats on top of the insulation material, leaving a gap of about 50mm from the wall to the heating mats, and a gap of about 10mm between each mat.

Stretch the mats and secure the mats to the floor with the provided aluminium tape. Additional duck tape can also be used where required.

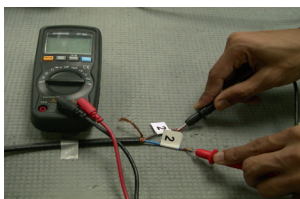
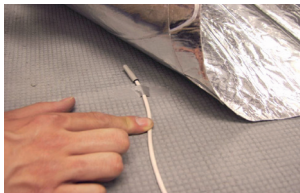
Place the electrical supply cables of the mats between the mats toward the junction box. Place the electrical supply cables so that they do not cross each other.

Create a slight groove in the insulation board under the joint to ensure that the heating mat lays flat. Create a groove for the cold leads at the point at which they cross.

Connecting to the power supplies

Mark each pair of cold leads coming from the same mat with a number by placing a small sticker with the number of each pair of leads close to the end of the lead.

All electrical connections must now be performed by a fully qualified electrician.



Helpful Hints

- Ensure that the electrical supply cables of the mats do not cross over the mats
- When cutting or turning the mats, use the tape to cover any exposed wire and to link the two pieces of mat
- DO NOT use with wood flooring thicker than 18mm

Frequently Asked Questions

What types of flooring can the Warmup Foil heaters be used under?

The foil heaters can be used under wood or laminate flooring providing it is no thicker than 18mm.

Can the foil heaters be cut and turned and how should I do it?

You might need to cut and turn the mats to suit the shape of the room. However it is essential that you not cut, twist or kink the heating element.

To make a cut, you should turn the mat over so that the loops are exposed, and lift the wires out of the way when cutting.

Please see the installation manual for full details and diagrams.

Which insulation materials should be used with the foil heaters?

Hard insulation materials can be used with the foil heaters such as the Warmup insulated tile backer boards.

Plus, Wicanders Cork Layout is a good alternative to our insulation boards.

Do I need to use grounding nets with the Foil Heater?

No - the foil heaters are completely earthed and an additional grounding net is not required.

What is the temperature limit with the foil heaters?

The maximum limit is 27 degrees this is a regulation set in EN1264.

XSTAT Thermostats

Features

- 4 events, 7 days a week individual program setting
- Self-learning capabilities to enable the right temperature at the right time
- Temporary program override
- Built-in temperature limitations to protect wooden floors
- Child safety lock
- Energy consumption monitoring for energy efficiency
- Available in two stylish colours - White and Graphite



Technical Data

- Supply voltage: 230V: 50Hz
- Output relay SPST or 1A inductive load: 16A, 3,600W
- XSTAT Housing: IP 20
- Approvals: CE, ASTA BEAB
- 3-Year Warranty



Exceptional Manufacturer of the Year
London Passport to Export Awards



Warmup is the only underfloor heating company accredited by all of these leading institutions