



COMBYMAT  
HEATING SYSTEM



# Heat Mat

## Underfloor Heating

Call 01444 247020  
to find out more or  
visit our website at  
[www.heatmat.co.uk](http://www.heatmat.co.uk)

## Heat Mat Combymat System

### Heating mats for laminate, carpet and vinyl floors

#### Combymat Heating Mats

An earth shielded system designed to be used beneath quality floating laminate and engineered board floors without the requirement for covering with levelling compounds. With the addition of Overlay Boards this versatile system can be also be used beneath carpet, vinyl, linoleum and bonded board floor coverings, without requiring any wet trade. The mats can provide sole source heating in reasonably well insulated rooms, and floor warming in other situations.

The mats are quick to install and can be 'cut-and-turned' like a conventional undertile heating mat. When used with Heat Mat's intelligent thermostats they provide a fast reacting and cost-effective heating system.

- Designed to provide sole source heating in most rooms
- Dual conductor system - only one power lead per heating mat, enabling simple installation
- Once installed the system has a functional earth shield
- Aluminium heat dissipation layer designed to spread the heat out from the cable
- No requirement to cover the mats with an additional levelling compound or moisture barrier, saving build height and costs
- Cut-and-turn design offers significant advantages over panel type systems and speeds up installation
- The 6mm insulation that forms part of the system provides acoustic deadening as well as thermal insulation

- Combymats are not suitable for use in wet areas such as bathrooms and wetrooms
- Combymats are designed to be laid together with other Combymats to ensure the perfect fit every time.
- Heat Mat Combymats are incredibly simple to install and in large areas can take half as long to fit as a carbon or ribbon panel system. The mats can be cut and turned to ensure they fit the room perfectly.
- Heat Mat's 6mm Combymat insulation which must be installed beneath the system offers a good trade off between build height, cost and insulation value.
- This system is designed for use beneath quality floating laminate and engineered board floors between 10 and 18mm. **You should always check with the supplier of your flooring that it is suitable for use with EUFH.**
- If Overlay Boards are installed above the Combymat system carpet, vinyl, linoleum and bonded board floors can be laid directly on top, as long as the combined Tog rating is no more than 1.8 Tog.

#### Combymat features

- Ideal for use beneath floating laminate and engineered board floors of 10-24mm thickness using the traditional tongue and groove/click system as the joining mechanism
- Combine with Overlay Boards for carpet, vinyl, linoleum and bonded board floors
- No wet trade required for any type of installation
- Dual conductor system so only one power lead per mat
- Supplied with 6mm insulation that provides excellent thermal properties and sound deadening
- Pre-spaced heating cable for speedy installation and uniform heat output
- Simple cut-and-turn design offers many advantages over panel systems
- Aluminium heat dissipation layer ensures an even heat spread with no cold spots
- Once installed the system benefits from earth shielding for safety
- A large range of standard sizes which can be mixed and matched to ensure a perfect fit
- Supplied with a Lifetime Warranty
- 18<sup>th</sup> Edition compliant without any additional earthing required

#### Compatible with



Thermostats



Additional Combymat heating mats

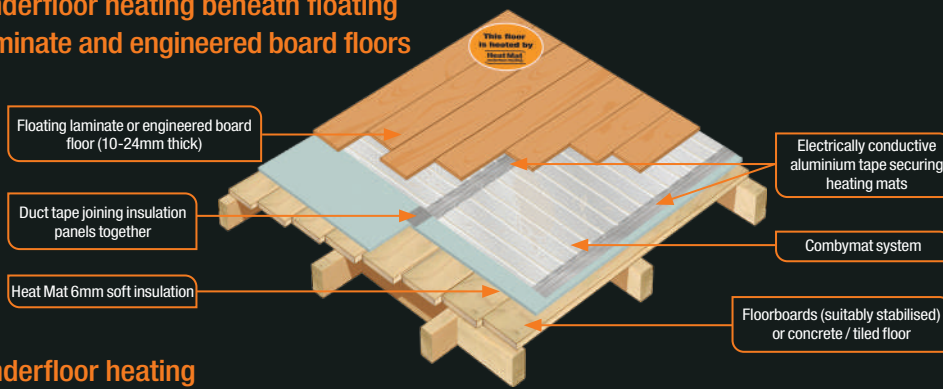


Combymat insulation boards

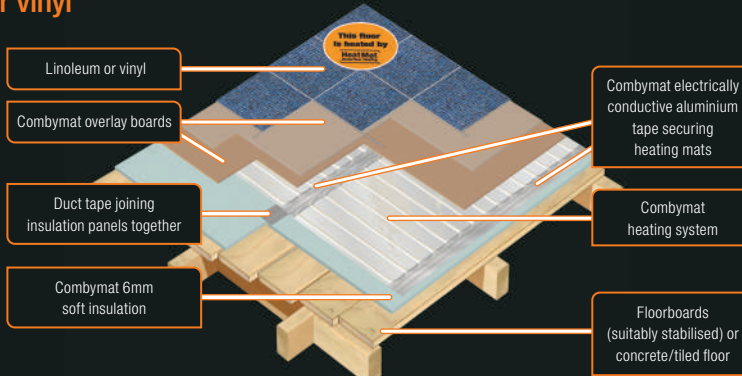


Structural thermal insulation boards

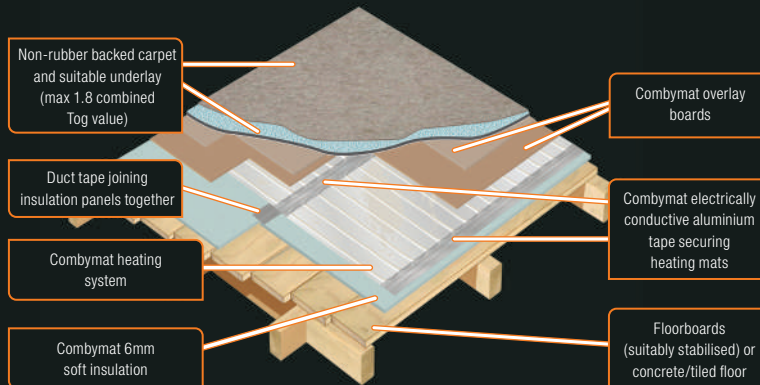
### Underfloor heating beneath floating laminate and engineered board floors



### Underfloor heating beneath linoleum or vinyl



### Underfloor heating beneath carpet



### Combymat System Technical Specification

Supply Voltage	230V +/- 10
Power output	150W/sqm
Output range	150W – 2250W
Standard range	1.0m <sup>2</sup> – 15.0m <sup>2</sup>
Mat dimensions	0.5m wide x 2.0m to 30.0m
Coldtail lead	3m double insulated cable
Mat thickness	1.0mm
Cable flexibility	Minimum radius 25mm
insulation	Fluoropolymer insulation
Earth protection	Earth screen provided by aluminium foil and tape
Heat dissipation	Aluminium layer
Fixing materials	Loose laid 'floating' system
Compliant with	18th Edition IEE Wiring Regulations, EN 60335

### Wiring

Heating mats must always be controlled by a suitable electric underfloor heating thermostat with floor temperature limitation. Heat Mat thermostats are rated to 16 Amps, and if a system exceeds this loading a suitably rated contactor should be used. The circuit must be protected by a 30mA RCD and suitably rated fuse or circuit breaker.

The effectiveness of the earth screen must always be checked before installing the final floor covering or overlay boards.

Product code	Size in m <sup>2</sup>	Wattage	Resistance (-5/+10%)
CBM-150-0100	1.0m <sup>2</sup>	150W	378 Ω
CBM-150-0150	1.5m <sup>2</sup>	225W	252 Ω
CBM-150-0200	2.0m <sup>2</sup>	300W	189Ω
CBM-150-0250	2.5m <sup>2</sup>	375W	151 Ω
CBM-150-0300	3.0m <sup>2</sup>	450W	126 Ω
CBM-150-0350	3.5m <sup>2</sup>	525W	108 Ω
CBM-150-0400	4.0m <sup>2</sup>	600W	94 Ω
CBM-150-0450	4.5m <sup>2</sup>	675W	84 Ω

Product code	Size in m <sup>2</sup>	Wattage	Resistance (-5/+10%)
CBM-150-0500	5.0m <sup>2</sup>	750W	76 Ω
CBM-150-0600	6.0m <sup>2</sup>	900W	63 Ω
CBM-150-0700	7.0m <sup>2</sup>	1050W	54 Ω
CBM-150-0800	8.0m <sup>2</sup>	1200W	47 Ω
CBM-150-0900	9.0m <sup>2</sup>	1350W	42 Ω
CBM-150-1000	10.0m <sup>2</sup>	1500W	38 Ω
CBM-150-1200	12.0m <sup>2</sup>	1800W	31 Ω
CBM-150-1500	15.0m <sup>2</sup>	2250W	26 Ω



## About Heat Mat

Heat Mat is part of the Heatcom group of companies, one of Europe's largest underfloor heating manufacturers. With Heat Mat's 25 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements. This is why we are the Professionals' Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.

## Contact us

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