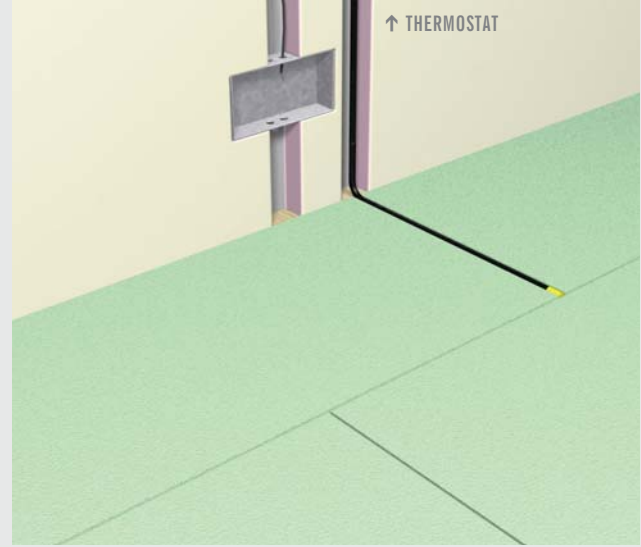


Thermonet underfloor heating foil installation guide

Typical Thermonet installation on insulated solid floor



LAY INSULATION BOARD (STOCK NO. 5400) OVER ENTIRE SUBFLOOR (TIMBER OR SCREED)



LAY THERMOSTAT SENSOR TUBE ONTO FLOOR, CUTTING A GROOVE IN THE INSULATION. ENSURE THE TUBE IS FLUSH WITH THE TOP OF THE INSULATION

Installation

Select from the chart the correct length of Thermonet underfloor heating foil for the room to be heated and divide the room width by 500mm to work out the number of lengths required. Elements should be wired in parallel, preferably with all connecting wires at one end of the room for ease of connection.

Thermonet foil should be laid over an insulation material such as stock no 5400. This will ensure the necessary thermal insulation and will improve sound deadening. Two or more layers of insulation board can be used to further improve insulation.

Thermonet foil and the connecting wires are taped down to hold in position and all connecting wires run to an accessible junction box or connection point mounted in the wall or in a cupboard.

The thermostat floor sensor should be chased into the floor and laid in its conduit to facilitate removal should it become necessary. The sensor conduit should be located underneath the foil in the heated area.

The complete Thermonet foil heating installation should be covered with a 500g vapour barrier (stock no 5415) and the engineered or laminate floor can be laid in the normal way.

It is important that adequate air circulation is maintained at the surface of the floor. All items of furniture placed in the heated area should be on legs or bun feet to ensure that an air gap is maintained.

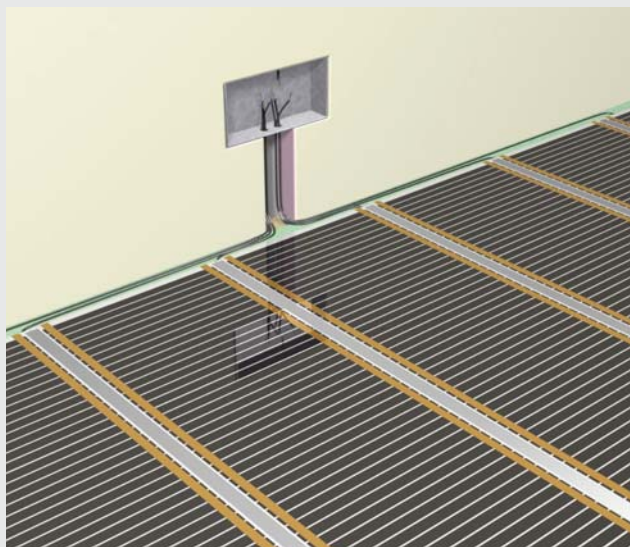
BEFORE INSTALLATION ALWAYS CHECK THE SUBFLOOR HAS ADEQUATE THERMAL INSULATION THIS IS PARTICULARLY IMPORTANT WHERE THERMONET IS THE PRIMARY HEAT SOURCE

MAKE SURE ALL RELEVANT CONTRACTORS, PARTICULARLY BATHROOM AND KITCHEN FITTERS, KNOW THAT ELECTRICAL UNDERFLOOR HEATING IS INSTALLED

USE OF MECHANICAL FLOOR FIXINGS OVER THE HEATING AREA IS PROHIBITED

ALWAYS ENSURE THAT YOUR FLOORING IS SUITABLE FOR USE WITH UNDERFLOOR HEATING

Typical Thermonet installation on suspended floor



LAY OUT THERMONET FOIL SHEETS USING FIXING TAPE AND RUN ALL LEAD WIRES BACK TO JUNCTION BOX



COVER ENTIRE SYSTEM WITH VAPOUR BARRIER (STOCK NO. 5415) AND LAY LAMINATE OR ENGINEERED FLOOR IN THE NORMAL WAY

Thermonet Underlamine Foil 100w/m²

THERMONET UNDERFLOOR HEATING FOIL			
STOCK CODE	LENGTH (M)	AREA (M ²)	OUTPUT (W)
5388	1.0	0.5	50
5389	2.0	1.0	100
5390	3.0	1.5	150
5391	4.0	2.0	200
5392	5.0	2.5	250
5393	6.0	3.0	300
5394	7.0	3.5	350
5395	8.0	4.0	400
5396	9.0	4.5	450
5397	10.0	5.0	500
Other outputs and special sizes are available			
5400	Rigid insulation board 800 x 625 x 5mm	5m ² pack	
5410	Cold Tail Extension Kit	(one per connection)	
5412	Cold Tail Extension Wire	per 1m	
5415	Vapour Barrier	20m ²	
5418	Fixing Tape	50lm roll	
5265	Programmable Thermostat Kit		
5260	Standard Thermostat Kit		
5267	Sensor Conduit Extension Kit	2m	

TECHNICAL SPECIFICATION	
WIDTH	500mm (430mm heated)
LENGTH	see table opposite
OUTPUT	12.5w/panel @ 230V AC
DIELECTRIC STRENGTH	3kv min
MAX OPERATING TEMPERATURE	80°C (unregulated)
MAX THICKNESS	450 microns
STANDARDS	EN 60335-1/1998 EN 60335-2-30/1992 DIN VDE 0700 Part 2+1 CE
WET ZONES	Thermonet underlamine foil is not suitable for use in wet zones

ALL ELECTRICAL WORK MUST CONFORM TO CURRENT IEE WIRING REGULATIONS AND BE CHECKED OR CARRIED OUT BY A QUALIFIED ELECTRICIAN

ELECTRICAL INSTALLATION WORK IN DWELLINGS IS SUBJECT TO THE BUILDING REGULATIONS PART P

TURN OFF THE ELECTRICAL SUPPLY AT THE POWER DISTRIBUTION UNIT TO AVOID RISK OF ELECTRICAL SHOCK

THE ELECTRICAL SUPPLY TO THE INSTALLATION MUST ALWAYS BE PROTECTED BY A RESIDUAL CURRENT DEVICE (RCD) THE TRIPPING CURRENT RATING OF THE RCD MUST NOT EXCEED 30MA