

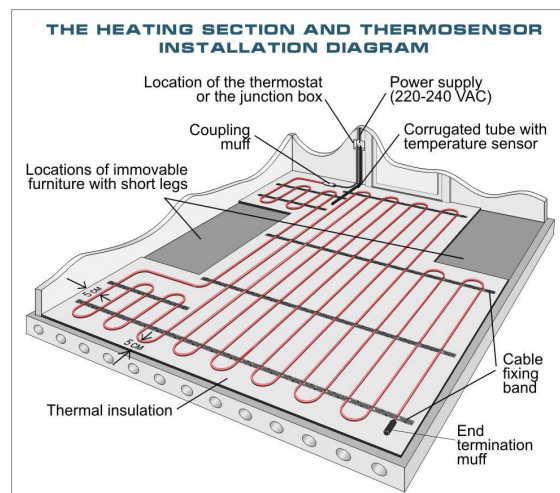
EASYHEAT INSTALLATION GUIDE

Step by Step Guide for EasyHeat Fixed Output Heater within a floor screed

To install the system it is necessary to embed the heating cable within a concrete screed. Once floor area has been measured and required loadings are determined the following instructions apply.

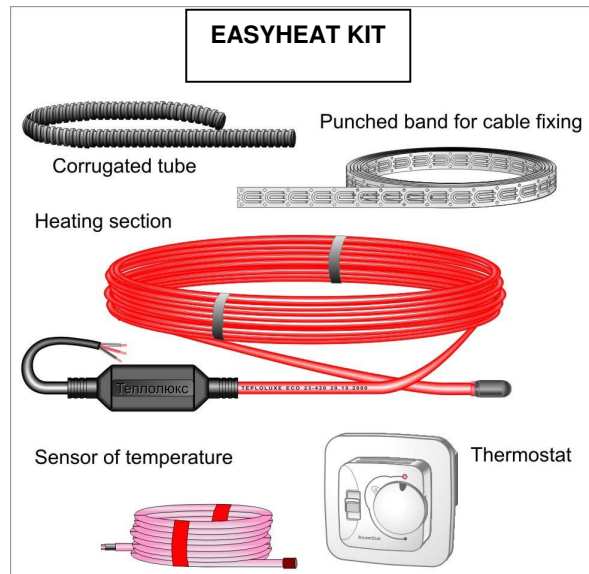
1. Lay fixing band provided at approximately 50 cm apart. Fixing band is provided to simply hold heating cable in place.
2. Pre-determine location of thermostat / junction box.
3. Laying of heating cable should commence at thermostat / junction box point.
4. Allow approximately 5 cm from perimeter, begin to loop heating cable back and forth at required pitch. (Pitch determined within design specification).
5. Place thermostat sensor within protective tube provided and place between cable loops, but not touching heating cable at any point.
6. Test heating cable for resistance prior to laying of floor screed (see chart overleaf).
7. End of cable will be sealed with a termination muff and can be simply buried within floor screed.

SUGGESTED LAYOUT



- Please note the thermostat has a switching capacity of 3600 watts, therefore larger areas requiring multiple circuits will need a contactor, which should be supplied and fitted by a suitably qualified person.
- We recommend the use of RCCD/MCB protection will all under-floor heating systems.
- Warmfloor Solutions promotes energy efficiency and therefore recommends all floor areas are suitably insulated.

Typical EasyHeat Kit:



Installation and Operating Instructions

1. The heating system must be used in accordance with the manufacturer’s recommendations.
2. The heating section must be earthed in accordance with current regulations concerning installation of electrical equipment and building practices.
3. The heating section must be connected to AC power supply via a thermostat (unless otherwise stated within specific design parameters). The connection of the section(s) and the thermostat must be carried out by a suitably qualified person.
4. It is prohibited for users to make any change in the heating design.
5. The heating sections must not be subject to mechanical stress or stretching.
6. It is prohibited for the heating section(s) to be powered whilst coiled, even for a short time.
7. The heating section must be completely covered by a suitable screed following installation. The screed should not have contaminated impurities or voids. We recommend a depth of 30 to 50 mm be laid.
8. After laying of floor screed it is necessary to check the heating cable resistance. It must again correspond to that of the table shown.
9. It is prohibited to energise the heating section(s) before floor screed is fully cured. (see building codes of practice for guidance).
10. It is prohibited to use one section of heating for two or more areas with different heat transfer conditions. (e.g. bathroom leading to corridor).

Rated Parameters for EasyHeat System

Power Supply	220-240 VAC
Linear power output of heating cable	15-20 watts/m
Colouring of installation wire terminals	Screen – yellow-green Heating core – blue and brown

Ref.	Cable Colour	Length – (m)	Output KW	Resistance Ohm
ECO 5-110	Brown	5	0.11	386-434
ECO 13-190	Grey	13	0.19	218-250
ECO 18-270	Yellow	18	0.27	168-188
ECO 21-340	Red	21	0.34	131-146
ECO 23-420	Blue	23	0.42	108-119
ECO 26-520	Green	26	0.52	89-97
ECO 32-630	Grey	32	0.63	72-80
ECO 42-800	Brown	42	0.80	51-62
ECO 48-900	Green	48	0.90	44-55
ECO 63-1200	Red	63	1.2	33-41
ECO 75-1400	Blue	75	1.4	27.5-33.5
ECO 100-2000	Brown	100	2.0	21.0-26.8