Important- Things to Avoid*

- Under no circumstances should the heating cable be cut to shorten or lengthen.
- Heating cables should be no closer than 5cm to each other and under no circumstances should they cross.
- The joint between the cold connection wire and the heating cable should be installed flat and level and should not be bent i.e. to go up the wall.
- The heating mat should not be installed on an uninsulated concrete floor. Insulate insulated concrete floors for quicker a heat up time.
- Cement boards soak up the heat and cause a longer heat up time.
- The heating cable should not be installed under fixed objects where the heat cannot escape.
- Don't forget to fit the floor probe – it's in the Timerstat box.
- Don't connect a rolled-up mat or cables to the mains – it will be fatally damaged.

Help and Assistance:

Should you need any assistance, please contact us

Phone Support: 0113 2577 588
Email Support: cs@cosytoes.co

Sales Tel: 0113 2577 588 | Fax: 0113 236 2300
Address: Bramley House, Bath Lane, Bramley, Leeds, LS13 3BB.

Decoupling Mat Cable



For Small to Large Areas

A new range of heating cable specially designed to fit cable carrier decoupling mat for installation in small to large areas including conservatories.

Technical Information

Product	Length	Output	Resistance	Centres/Area Covered (See notes to right)			
				100mm#	80mm*	75mm#	50mm#
CT1	12.5m	150W/0.7A	353Ω	1.1m²	1.0m²	0.8m²	0.5m²
CT2	25.0m/	300W/1.3A	176Ω	2.1m²	2.0m²	1.6m²	1.1m²
CT3	37.5m	450W/2.0A	118Ω	3.4m²	3.0m²	2.5m²	1.7m²
CT4	50.0m	600W/2.6A	88Ω	4.6m²	4.0m²	3.5m²	2.3m²
CT5	62.5m	750W/3.3A	71Ω	5.8m²	5.0m²	4.3m²	2.9m²
CT6	75.0m	900W/4.0A	59Ω	7.0m²	6.0m²	5.3m²	3.5m²
CT7	87.5m	1050W/4.6A	50Ω	8.2m²	7.0m²	6.2m²	4.1m²
CT8	100.0m	1200W/5.2A	44Ω	9.4m²	8.0m²	7.0m²	4.7m²
CT9	112.5m	1350W/5.9A	39Ω	10.6m²	9.0m²	8.0m²	5.3m²
CT10	125.0m	1500W/6.5A	35Ω	11.9m²	10.0m²	8.9m²	5.9m²
CT12	150.0m	1800W/7.8A	29Ω	14.3m²	12.0m²	10.7m²	7.1m²
				125 W/m²	150 W/m²	170 W/m²	260 W/m²

Please Note:

*** 80mm**
Similar length cable on a mat at 80mm centres will give the equivalent area as shown.

 # 100, 75, 50mm
The areas shown are aproximate and based on a roughly square configuration layout. Other more complicated layout shapes can affect the area by as much as +or- 10%

Laying the Cable by Taping to the Floor

If you wish to install this cable by taping it down to the sub-floor, then you should follow the instructions for the Loose Cable. Use 25mm cloth tape for sticking it down along its entire length.
NOTE: Never staple heating cable down!

Laying the Heating Cable Using a Proprietary De-Coupling Carrier Mat

Check the centres on the decoupling carrier mat before choosing cable length required. The decoupling mat should be installed on the subfloor following the manufacturers instructions. From the start point, carefully push the cable into the matrix. Ensure that the heating cables are never allowed to touch or cross.

Installing the Timerstat and Floor Probe

The probe is packaged with the timerstat. The timerstat will not work with a probe from a different model. The probe has a 3m lead attached, that can be shortened or lengthened with suitable wire. Tape/fix the probe end down midway between 2 heating wires and run the cable up to the timerstat back-box.

Test the Heating Cable Before Tiling

Before tiling is commenced do a resistance test to ensure that no damage has occurred to the heating cable

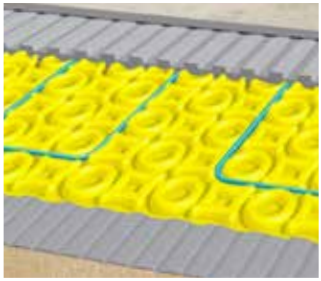
Decoupling Carrier Mat

Loose cable underfloor heating systems are suitable for installation with a decoupling carrier mat. As soon as the decoupling matting has been installed and the adhesive has cured, the electrical heating system can be installed to the manufacturer's instructions. For general room heating we recommend that cables be installed in the membrane at 75mm centres and leave a wall gap of 125mm.

Important Information:

It is of vital importance that the installation of any underfloor heating system is pre-planned. Care must be taken to understand the requirements of the heating system of your choice. The heating cable layout must be pre-planned to avoid any "cross overs". The positioning of sensors and the power supply must be predetermined.

Electric Underfloor Heating Decoupling Carrier Mats



The professionals choice for loose cable installations

Technical Information

The installation of the underfloor heating should be pre-planned to avoid any “cross-overs”. The positioning of sensors and the power supply must be considered. For general room heating we recommend that cables should be installed in the carrier decoupling mat with approximately 75 mm spacings. The sub floor must be free of any loose material that could impair adhesion and must be level and able to bear weight. Any floor levelling must be completed before the carrier decoupling mat is installed. The adhesive should be chosen dependent on the nature of the sub floor and be capable of bonding to the sub floor surface and to the backing fleece of the carrier decoupling mat. The stud pattern alignment should be ‘matched’ and the whole of the floor should be covered. Cover with walk-boards to protect the carrier decoupling mat from damage.

Adhesive

For most surfaces a water-based thin bed adhesive (C2 quality) can be used. The adhesive is applied to the sub floor using a serrated trowel (6x6mm).

Installation

In wet areas it is advised to seal junctions between mat sections with WPFB tape. Preformed corner sections can be used for internal and external corners.

As soon as the carrier decoupling mat has been installed and the adhesive has cured, the electrical heating system can then be installed.

Tiles can then be installed using a thin bed adhesive appropriate to the flooring. Practically, it is advisable to apply adhesive in one operation, embedding the heating cables in that process. Install the tiles after pre “buttering” the underside.

The tiles must be embedded in the adhesive to achieve solid bedding. The depth of the serrations on the trowel must be appropriate to the tile format. Make sure this is all done while the adhesive is still fresh and within its “open time”.

Where movement joints are required, follow professional guide lines - BS 5385 - TTA guide lines.

Notes

Material: Polypropylene
Roll Length: 5m
Width: 1m
Colour: Yellow
Thickness: 6mm

Due to unavoidable trimming of the material to ensure the production pattern is maintained the width may be reduced by up to 25 mm.
Note: These instructions give a general idea on the installation of carrier decoupling mats. There are a number of different makes on the market and you should always refer to the manufacturer’s instructions.