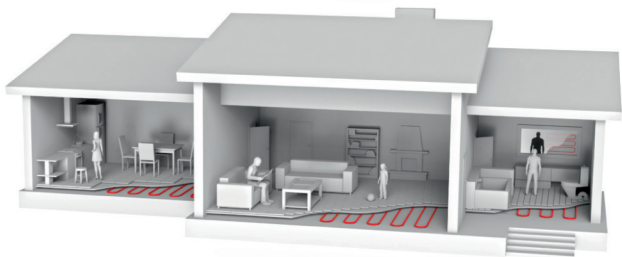


COMFORT HEAT



Smart
underfloor
heating solution





A tile floor is a part of modern home design. It is practical and elegant solution for flooring in bathrooms, kitchens and halls. However in our weather conditions a tile floor can turn very cold, especially in winter time. Installing **Comfort Heat** heating mats under your tile floor is a practical and energy efficient method of ensuring your floor is warm and pleasant.

The installation of the heating mats is very simple.

Comfort Heat heating mats can be used under all types of floor finishing:

- Tiles,
- Laminates,
- Carpet flooring,
- Parquet.

Comfort Heat heating mats are very thin and will result in only a minimal difference in the height of the floor.

Comfort Heat heating mats are of standard 0,5m width and available in various lengths. They easily adhere to the concrete surface and are very simple to install. When fitted they will gradually spread the warmth evenly throughout the room. It will be warm under your feet and you will feel comfort and cosiness in your home.

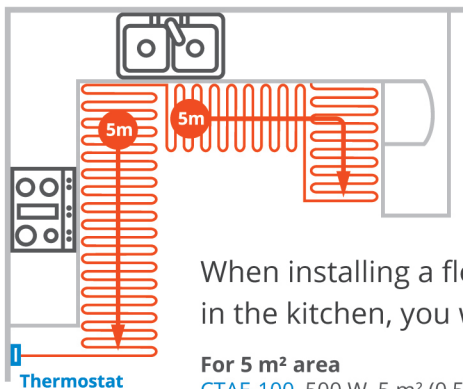


Comfort Heat CTAE-100/160 twin conductor heating mat is of 100/160 W/m² output, only 3,8 -4,0 mm thickness (green line)

CTAE-100, 100 W/m²

Heating mat can be installed under all types of tiles, parquet and wood, laminated flooring whether they are new or renovated. Heating mat is laid onto the concrete and overlaid with thin self-levelling compound.

Heated floor area (m ²)	Dimensions (m)	Output (W)
2	0,5x4	220
3	0,5x6	290
4	0,5x8	410
6	0,5x12	560
8	0,5x16	820
10	0,5x20	1000
12	0,5x24	1200
18	0,5x36	1800



When installing a floor heating in the kitchen, you will need:

For 5 m² area

CTAE-100, 500 W, 5 m² (0,5x10m)
and Thermostat **Comfort Touch**.

HEAT MATH CALCULATION TOOL

HEAT MATH is a universal calculation tool for electric heating systems designed with easy Click steps that provide an automatic selection of recommended Comfort Heat products for different applications and rooms. It takes only 5 minutes to get a full heating system for your home.



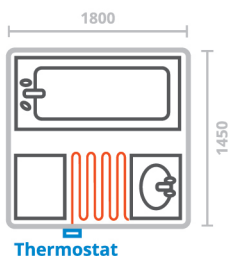
<https://comfortheat.eu/calculators/>

CTAE-160, 160 W/m²

Heating mat can be installed within all types of tile, marble or carpet flooring whether they are new or renovated. Heating mat is laid directly in the tile adhesive layer.

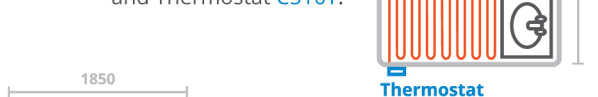
Heated floor area (m ²)	Dimensions (m)	Output (W)
0,5	0,5x1	80
1	0,5x2	160
1,5	0,5x3	240
2	0,5x4	320
2,5	0,5x5	400
3	0,5x6	480
3,5	0,5x7	560
4	0,5x8	640
5	0,5x10	800
6	0,5x12	960
7,5	0,5x15	1210
9	0,5x18	1400
11	0,5x22	1800
13,5	0,5x27	2150
16,5	0,5x33	2600

When renovating a standard bathroom, you will need:



Heating area of 0.5 m²
CTAE-160, 80 W 0,5m² (0,5x1m)
and Thermostat C501.

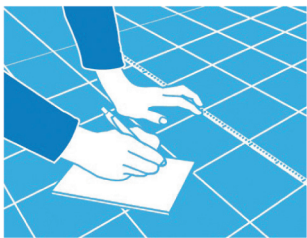
Heating area of 1 m²
CTAE-160, 160 W 1,0m² (0,5x2m)
and Thermostat C510T.



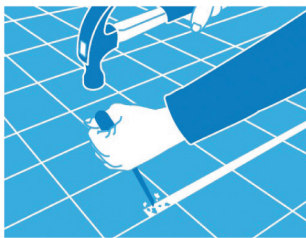
Heating area of 1.5 m²
CTAE-160, 240 W 1,5m² (0,5x3m) and
Thermostat Comfort Touch.



Heating mat installation



Estimate the area available for floor heating. The area covered by furniture or bath, lavatory, etc. has to be taken off the total area of the room. The heating mat should be a little bit smaller than the area calculated for the floor heating (m²).



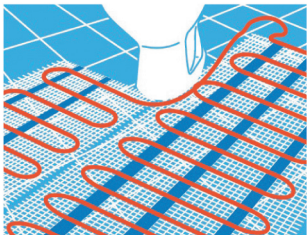
Make a groove where a plastic pipe for thermostat sensor will be placed. The pipe has to be sealed at the end, the concrete should not enter it.



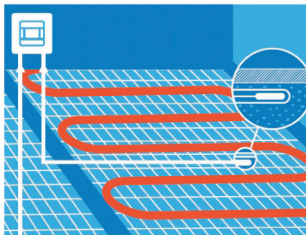
The floor heating mat should be installed onto clean surface.



The heating mat installation starts from the wall and is directed towards the opposite wall. The mat can be turned around by cutting the net of the heating mat (please, do not cut the cable). The instalment of the heating mat has to be continued till it covers the entire area.



If you want to turn the mat, you can cut the net of the mat. Please, be careful; do not to cut the cable.



Once applied, it is then covered by the layer of tile glue or concrete.



Thermostat C 501

The electronic Thermostat is equipped with an external (floor) sensor. It is installed into a wall. The Thermostat has a night setback temperature function and fixed frost protection switch at +5°C. Temperature setting range is (+5...+40°C), 14A, IP 21.



Comfort Touch

The electronic thermostat ComfortTouch, with fine LCD display comes with floor temperature sensor and energy consumption management system. ComfortTouch thermostat has pre-programmed functions adjusted to climate and weekly mode. Energy consumption management system informs of percentage consumption of adjusted temperature levels. Temperature setting range is (+5...+40°C), 16A, IP 21.

NEW

Comfort Wi-Fi thermostat

gives you the opportunity to control your heating system via smartphone



Connection: Wi-Fi connectivity enables remote access to monitor and control the home heating system.



Smart device control: the easiest way to control your heating system with smartphone or tablet whenever you are at home or on the other side of the globe.



Programmable: easy scheduling and adaptive control ensure that comfort temperature is set at the required time.



Energy scheduling: continuous control and monitoring of energy consumption enable financial savings.

**COMFORT
HEAT**

Comfort Heat UAB

T.: + 370 5 270 4596 | M.: + 370 686 08745

Laisvės pr. 123, LT- 06118 Vilnius, Lietuva

info@comforheat.eu | www.comforheat.eu