

# DomoTeck-fhs



Thank you mum,

**Home underfloor heating Thermostats request for quote contact**

**DomoTeck FHS** markets a full range of high quality Floor heating systems Guided by the principle of **Heat on Demand & Just in Time** for indoor and outdoor projects.

For comfort and safety

Domotek. Was established in 1987 by decora Nahariya ltd. In Order to develop, produce and market under floor heating systems and other Comfort heating appliances.

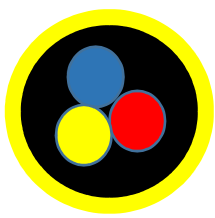
Dan Klein is the innovator of "thin sheet flexible heating element" that is recognized by IEC 60355-2-96 and particularly suited for renovation.



Thin Sheet Flexible heating element as designed by Dan Klein is now the mostly used heating elements for renovation and new construction to be installed directly under the tiles/flooring material.

Domotek. Headed up by general manager Dan klein, Is an internationally oriented company

DomoTeck line includes a full range of under floor warming and Heating systems and appliances which can be adapted to any type of building Structure .





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### Radiant Heating systems

For comfort Coziness' and safety.

- Products are:
  - Simple & Perfect.
  - For Heat on Demand & Just in Time

### Different systems for different applications

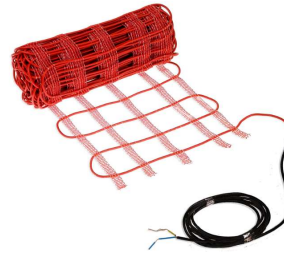
- Small Area and large areas.
- In door:
  - [Bath room](#)
  - Kitchen
  - Living room
  - Master bed room
  - Children room
  - Home Office
- Out door De icing
  - Stairs & Drive ways
  - Roof and Gutter
- Frost protection
  - Drinking water
- Electrical heating Cable or Mats .
  - To be Installed:
    - under floor
    - In The Ceiling
    - In the building structure



FWM 2S1 150 watt Sqm  
 Sizes 1-8 Sqm



FHC 2B3 17 Watt linear  
 Meter.  
 Length 10-120 meter



DIC De Icing and  
 frost protection  
 cable and Mats.  
 Size 1-20 Sqm



FWM 2S1  
 200 Wsqm  
 As Kit



### DomoTeck FHS products are installed in:

- Bathroom
- Master bed room
- Living room
- Children room
- Home office
- Guest room
- Output 100-200 Watt Sqm
- Sizes 1-10 Sqm

Email us your project and we will prepare a Quote

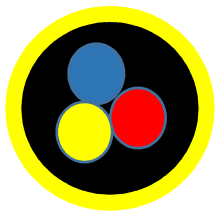


### DomoTeck FHS for OEM partners.

DomoTeck FHS can supply:

- Finished products
- Semi Finished products
- Heating cable to manufacture your own products.

We will support you step by step in the process of producing your own products.



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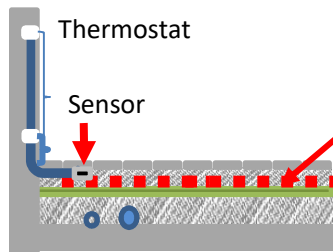
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### Basic Technical Information

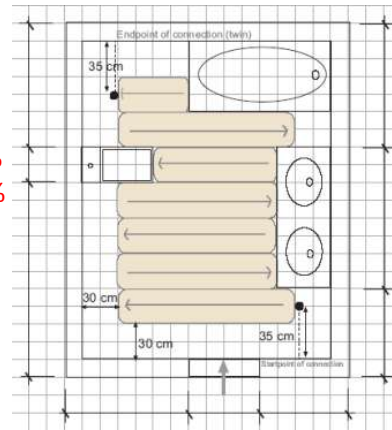
How to calculate the size of the mat taking in account: Bathtub, Toilet, Shower, Sink Etc', All those elements will decrease the free where FHM can be installed

- Small Bathroom = size of the bathroom X 60%
- Large Bathroom = Size of the bathroom X 70%
- General room = size of the room X 75%

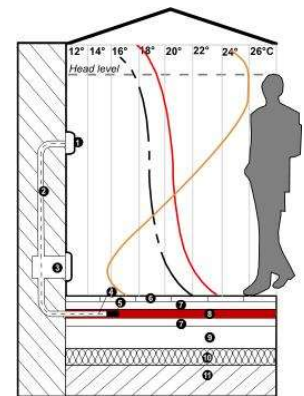


Electrical floor heating mat to be installed under tiles 150 or 200 Watt Sqm . For bath r and small area

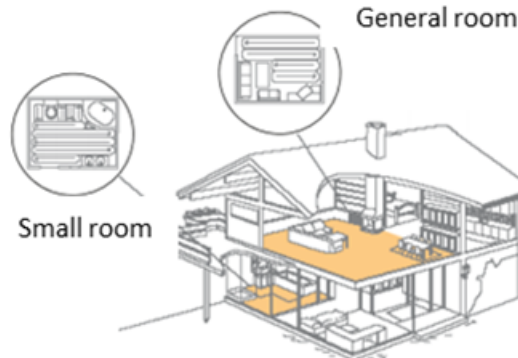
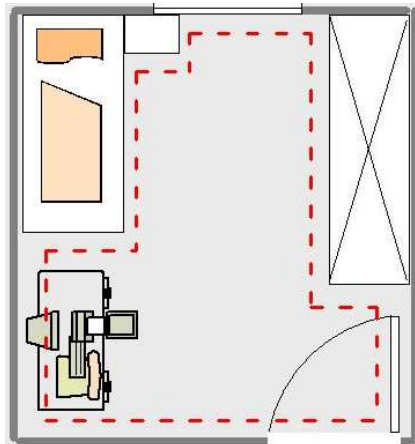
### Mat lay out in a bathroom



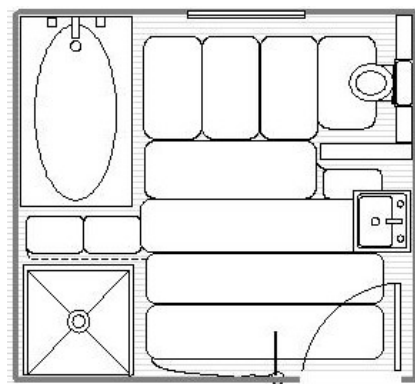
The Ideal Temperature distribution. Warm in the floor cold in the ceiling



### Children room

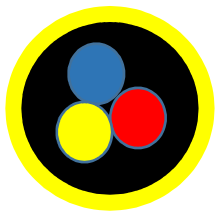


### Bath room



### Important points.

- Don't install electrical floor heating under elements that will block the heat.
- Make sure that a layout drawing is in the electrical box.
- Floor covering should answer the requirements of underfloor heating.
- Only an electrician can connect the floor heating mat to the main line.
- Follow the national guide lines and codes.
- DomoTeck FHS comply to national and international. guide line
- Follow the instruction of installation.



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Warm your tiles, Have a nice and warm floor

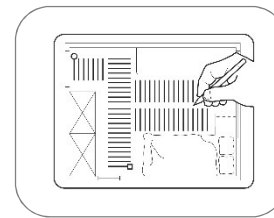
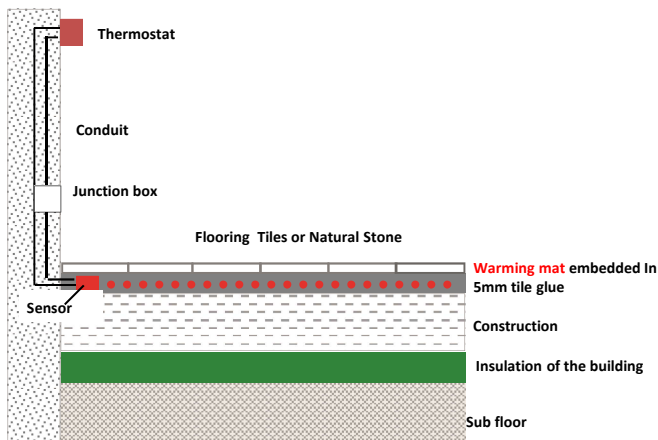
Bathroom



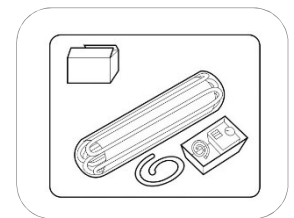
Living Room



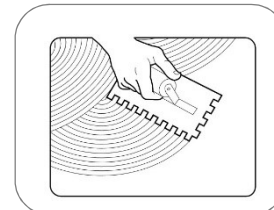
### Installation



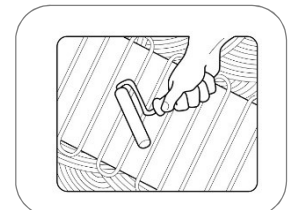
1. Plan the layout



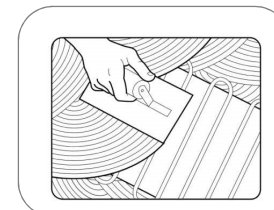
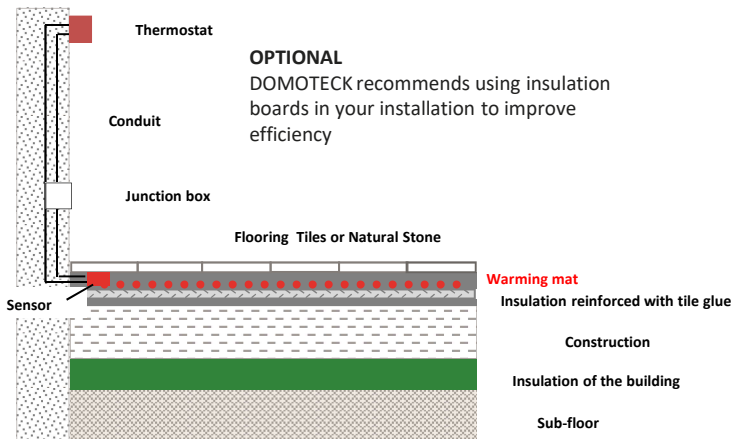
2. Check the kit integrity



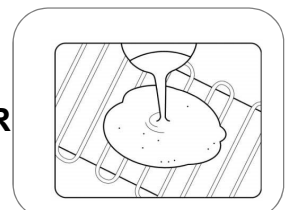
3. Spread first layer of tile glue



4. Using a roller press down the mat

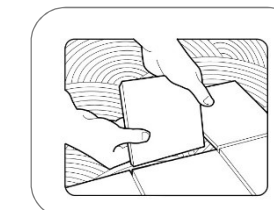


5. Spread second layer of tile glue

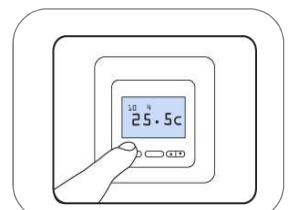


6. Pour self-leveling concrete

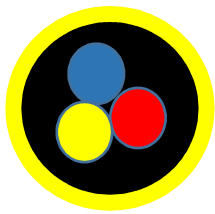
OR



7. Place floor covering e.g. tiles



8. Set the thermostat



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## **Standards used to approve and install “Thin sheet flexible heating element”**

EN 55014 Electromagnetic Compatibility (EMC) (Emission)

IEC 60335-1 - Ed. 4.1 (incl. am1) –Publication date: 2004-07-07

Household and similar electrical appliances - Safety - Part 1: General requirements

IEC 60800 - Ed. 2.0 Publication date: 1992-03-31

Heating cables with a rated voltage of 300/500 V for comfort heating and prevention of ice formation

IEC 60335-2-96 - Ed. 1.1 Publication date: 2005-08

Household and similar electrical appliances - Safety - Part 2-96:

Particular requirements for flexible sheet heating elements for room heating

IEC 60335-2-35 Ed. 4 11-2005

Household and similar electrical appliances – Safety – Part 2-35:

Particular requirements for instantaneous water heaters

EN 50366 Electromagnetic Fields (EMF)

Household and similar electrical appliances – Electromagnetic fields – Methods for evaluation and measurement

EN 50366 Electromagnetic Fields (EMF)

EMF (Electro Magnetic Fields) is a discipline to ensure the safety of human Beings or other biological organisms and appliances in electromagnetic fields.

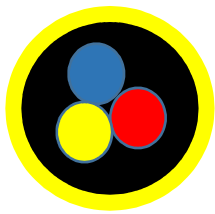
Laws and Directives

The ICNIRP (International Commission on Non-Ionizing Radiation Protection) Published in 1998 a guideline to set for electromagnetic fields. This guideline is the base for the recommendation of the EU council which has been published in the EU in 1999.

On the base of this EU-recommendation the member states of the EU started to work on laws to implement this recommendation in the national law. Dependent on the member state the progress on this has reached different states.

EN 55014 Electromagnetic Compatibility (EMC) (Emission)

EMC (Electro Magnetic Compatibility) is a meanwhile classical engineering discipline and is intended to ensure the compatibility between appliances.



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**It is all about comfort**

