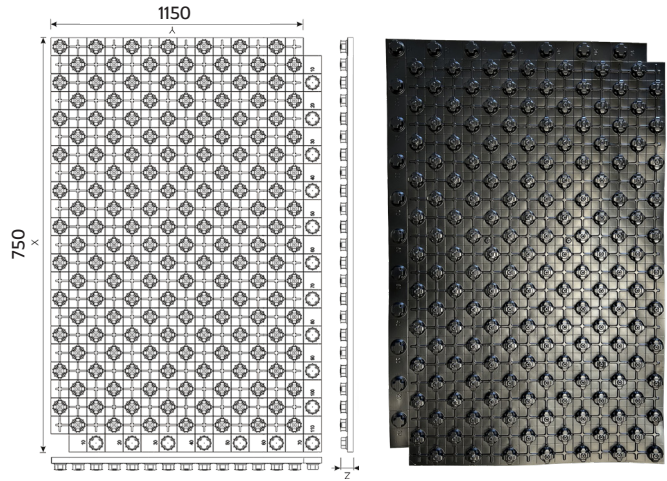


### Castellated Mat with adhesive back

This system mat is designed for running pipe heating loops on the heating surface. Regular, properly shaped and numerous tabs ensure fast and firm installation of heating pipes.

Benefits include:

- Laying the underfloor heating without the use of clips.
- Rigid structure to prevent the pipe from falling out.
- Metric graduation for easy size adjustment.
- The shape of the tab enables a solid mats connection.
- Adhesive back for easy installation.



Product Code	Product Description	Dimensions
TIOCAS0003	Castellated mat with adhesive back	1150 x 750 x 20mm

The mat is intended for use on mineral substrates in renovated rooms. These can be cement concrete substrates, anhydrite screeds or existing ceramic floors. Depending on the type of substrate, an appropriate primer should be selected.

- Mat size (length x width): 1150 mm x 750 x 20mm
- Effective panel size (length x width): 1115 mm x 715 mm
- Effective area: 0.79m<sup>2</sup>
- Tab height: 22 mm
- Mat thickness: 1 mm
- Permissible size of heating pipes: 16 mm
- Pipe spacing: 5 cm, 10cm, 15 cm, 20 cm (multiple of 5)
- Underfloor heating construction system according to DIN 18560-2: A and BS8204

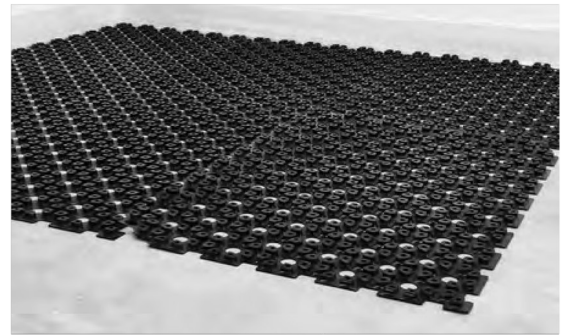
The substrate should be properly prepared and sealed. Edge dilatation should be arranged next to the walls. Expansion between rooms as well as dividing larger surfaces may be necessary and depends on the surface of the underfloor heating and the type of floor finish.

#### IMPORTANT

The routes and spacing of the pipes, the number and length of the under-floor heating loops as well as the flow settings should result from the calculations included in the underfloor heating design. After performing the necessary leak test on the installation, perform a self-leveling screed.

EUROTOP Mini mat should be placed parallel to the walls and glued to the base, fastening them to each other in the same row. It is possible thanks to two extreme rows of tabs profiled in a way that enables connection. Mats should be placed only where the underfloor heating pipes will be led.

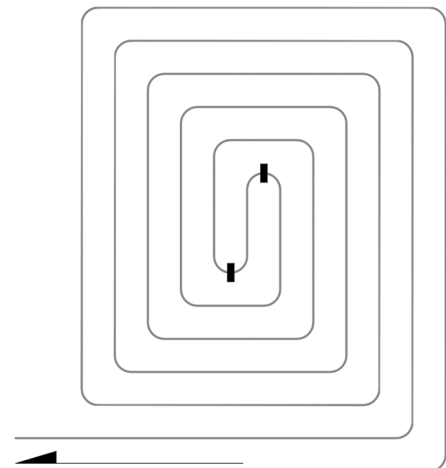
The pipe should be anchored between the tabs in EUROTOP Mini mats and led parallel or diagonally to the mat edge. For this purpose, you do not need to use special tools or additional mounting accessories. The mat is durable enough to support the weight of the person installing underfloor heating.



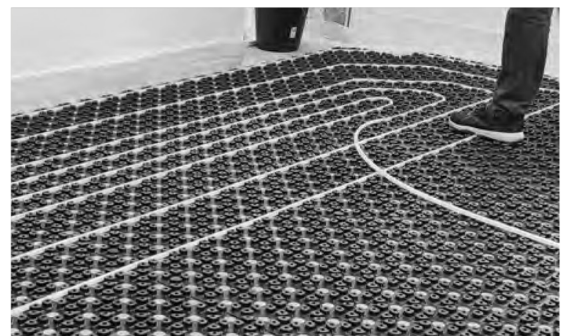
Installation of EUROTOP Mini mats.

**ATTENTION**

The underfloor heating loop should be guided in the bifilar system (cochlea). Each of these loops has two turns of the pipe through 180°C. For safety reasons, it is recommended to additionally secure this arc with an assembly hook before making a self-leveling screed, thus preventing the pipe from falling out of the holder before the screed becomes bound.



Underfloor heating installation with usage of EUROTOP Mini castellated mat.



Fastening underfloor heating pipe in EUROTOP Mini castellated mat.

**Screed**

Once panels and pipework are installed and the system pressure tested screed can be laid. The castellated mat system is suitable for most floor screed types including calcium sulphate flowing screeds and traditional sand cement products.

Minimum screed cover over the system will be dictated by the type of screed used, always refer to screed manufacturers recommendations and best practice.

After full hardening and drying in accordance with the manufacturer's documentation, the screed annealing process should be carried out. The level of moisture in the underlay allows the floor to be finished in accordance with the documentation of the screed manufacturer.



Flooding the underfloor heating system self-leveling mass.