



MAGNUM[®] Enermat

Electrical floor heating mat

Electrical floor heating mats can be installed on concrete & prepared timber bases**, directly in flexible tile adhesive.

Floor heating is the most comfortable way of heating. Underfloor heating radiates a nice equal floor temperature across the floor which rises evenly across the whole room. Floor temperature will reach a pleasant and comfortable level, with the same temperature from the floor to the ceiling. No more cold feet and hot head. No more differences in body temperatures! No more cold drafts on the floor! Experience total freedom in your interior because there are no radiators on the wall!

Enermat is a unique floor-heating mat. It can be installed directly on top of an existing tile floor, or directly on concrete bases. The heating cable on the glass fibre mat is only 3.5 mm in thickness, and can be installed directly in the flexible tile adhesive.

The mat is placed directly under the surface. Because of this the heat, reaction time is increased.

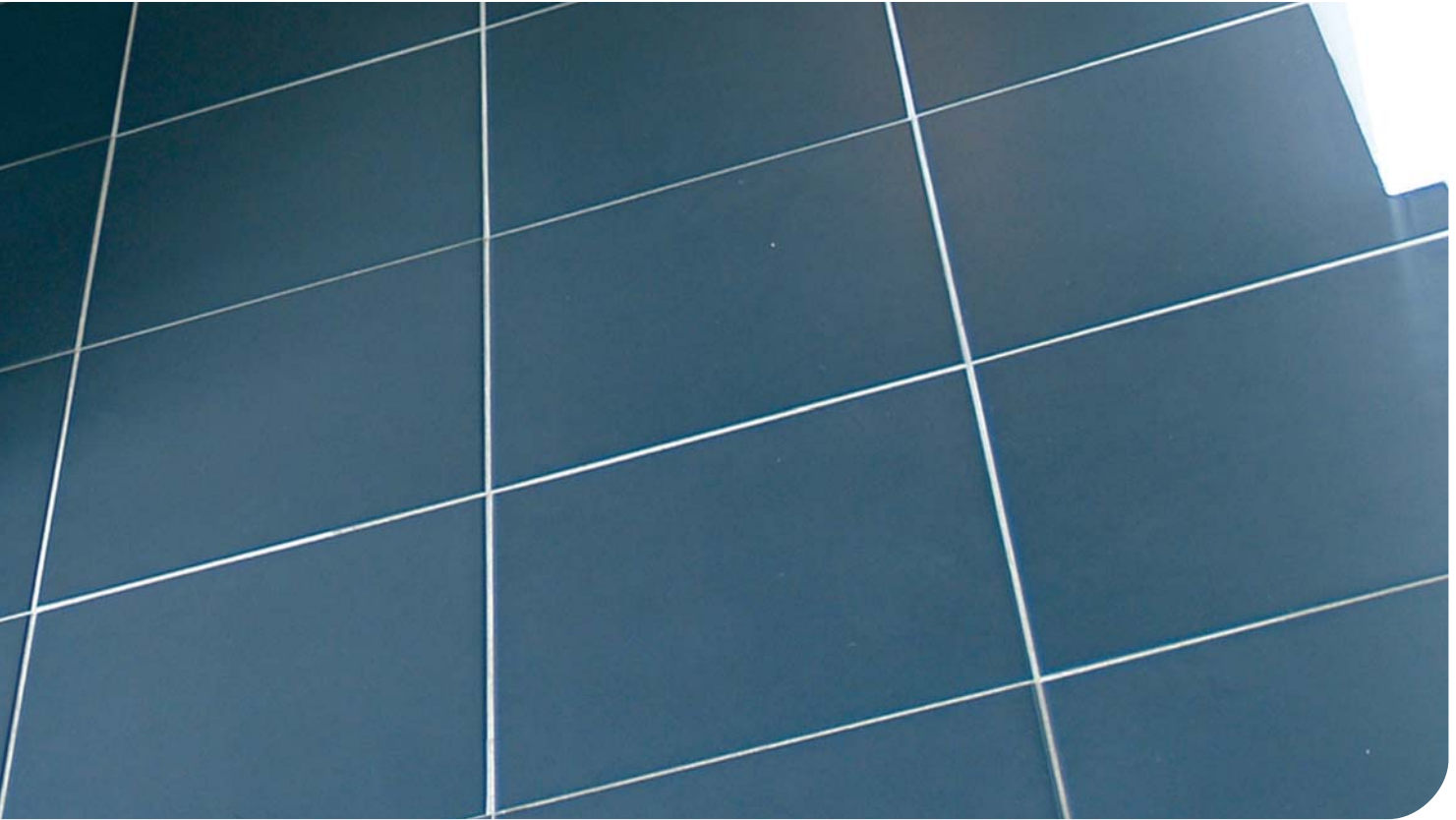
This makes the system suitable for areas, which are not occupied the entire day.

Enermat electrical floor heating has more advantages in comparison to more conventional water based floor-heating systems:

- Very easy to install
- No water: no risk of water leakage!
- No break and cutter work necessary
- To be installed directly into tile adhesive
- Suitable as main* or auxiliary heating source
- Every room has its own thermostat
- The highest possible level of comfort
- Extremely efficient and energy-friendly
- No maintenance costs

* Main heating is not possible in all situations. For more information: www.enerfoil.com

** Please see fitting instructions



Applications

- Floor tiles on top of prepared and secured timber floor
- Floor tiles on top of old floor tiles
- Floor tiles on top of concrete
- Underneath tiles, stone, marble slate etc
- Suitable for wall and floor

Sectors:

- Utility buildings
- Renovation
- Offices
- Shops
- Recreation

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Technical data

Enermat is a complete floor heating system consisting of:

- Floor heating mat
- Programmable digital clock thermostat with setback function
- Floor sensor
- Flexible tube for floor sensor
- Installation Manual
- Check- control card

Technical data on Enermat:

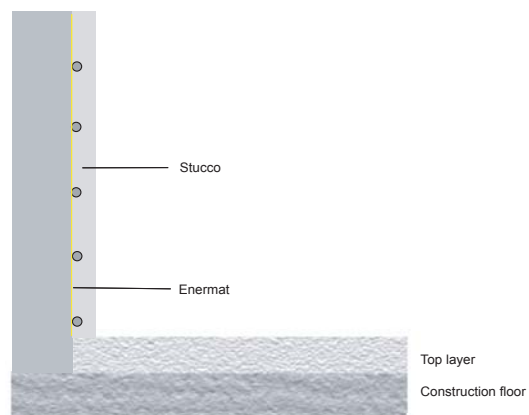
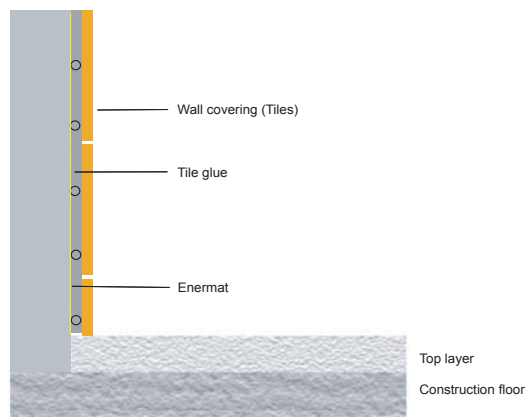
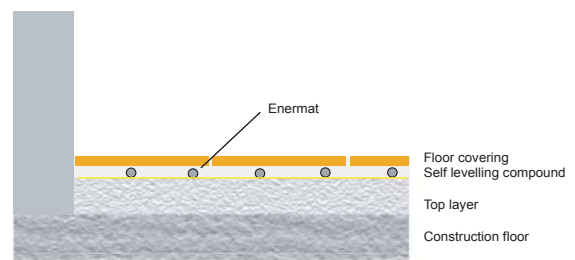
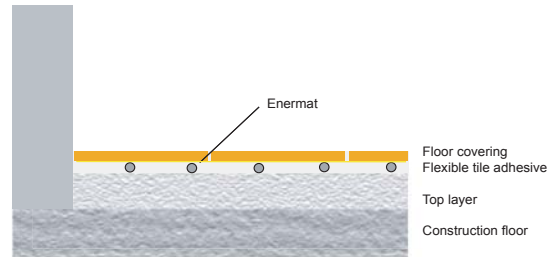
- EMC-free 2-conductor cable with 5 meter 3-core power cable, adjusted to glass fibre mat .
- 150 watts per m².
- The cable insulation under the external braid, covers the cable totally.
- Chrome/Nickel resistance cable.
- Strong Teflon coated cable with PVC outer sheath
- 8-9 watt per meter, 230 Volt.
- Tested between 4000 - 10.000 volt
- Cable diameter app. 3,5 mm.
- Width of mat 50 cm.
- VDE approved (reg nr. 84015)
- ISO 9001 certified producer
- 10 year guarantee

Enermat is available in surfaces from 1 to 25m²*. Enermat is twin conductor. The heating wire is invisibly connected with the unique splice connection. This means easier installation.

Enermat can be installed in two ways:

- Directly in flexible tile adhesive
- In self leveling compound

*for an exact power calculation please contact Enerfoil Magnum Ltd



Article #	m ²	Capacity	Amperage	Ohm*	Voltage	size
250200	1,0 m ²	150 watt	0,7 A	353	230 V	0,50 x 2,00 m
250300	1,5 m ²	225 watt	1,0 A	235	230 V	0,50 x 3,00 m
250400	2,0 m ²	300 watt	1,3 A	176	230 V	0,50 x 4,00 m
250500	2,5 m ²	375 watt	1,6 A	141	230 V	0,50 x 5,00 m
250600	3,0 m ²	450 watt	2,0 A	117	230 V	0,50 x 6,00 m
250700	3,5 m ²	525 watt	2,3 A	100	230 V	0,50 x 7,00 m
250800	4,0 m ²	600 watt	2,6 A	88	230 V	0,50 x 8,00 m
250900	4,5 m ²	675 watt	2,9 A	78	230 V	0,50 x 9,00 m
251000	5,0 m ²	750 watt	3,3 A	71	230 V	0,50 x 10,00 m
251200	6,0 m ²	900 watt	3,9 A	59	230 V	0,50 x 12,00 m
251400	7,0 m ²	1050 watt	4,6 A	50	230 V	0,50 x 14,00 m
251600	8,0 m ²	1200 watt	5,2 A	44	230 V	0,50 x 16,00 m
251800	9,0 m ²	1350 watt	5,9 A	39	230 V	0,50 x 18,00 m
252000	10,0 m ²	1500 watt	6,5 A	35	230 V	0,50 x 20,00 m
202400	12,0 m ²	1500 watt	6,5 A	35	230 V	0,50 x 24,00 m
203000	15,0 m ²	1875 watt	8,2 A	28	230 V	0,50 x 30,00 m

* Resistance values can differ \pm 10%.

1 - 10 m² mats have capacity of 150 watt / m².

12 - 15 m² mats have capacity of 125 watt / m²

