

Enermat - Underfloor Heating Mat Installation Instructions

Please contact us if you have got any questions or comments on Enermat - **Underfloor Heating Mat**

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

TECHNICAL DATA:

Enermat is a complete floor heating system existing 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 4 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.

*for an exact power calculation please contact Enerfoil Magnum Ltd

Enermat can be installed in several ways:

- directly in flexible tile adhesive
- in self leveling compound

Enermat is available in the following sizes:

Art.nr	m2	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 12,00m
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 ± 10%.

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

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