

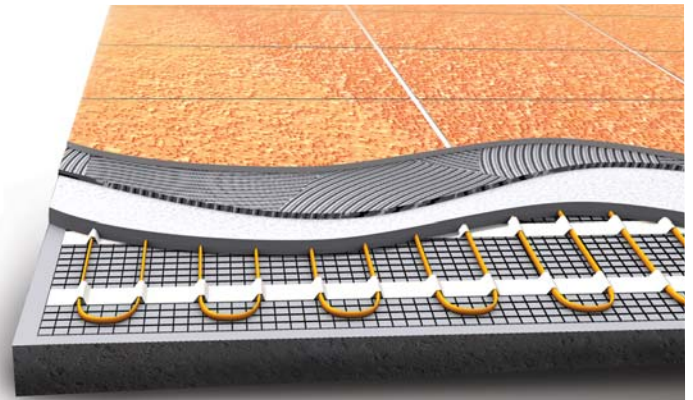
**FEATURES**

- The best solution for premises with low ceilings
- Cost and energy saving system
- Wide range of heating cable power outputs
- Approved long-life performance
- Self adhesive mats
- Simple installation

**DESCRIPTION**

The MH & MHH heating mats are applied as a supplementary system for comfortable floor heating. Both systems can be easily laid into thin under tile adhesive layer (8-10mm). The systems can be used under any covering of your choice: tile, marble or carpet. It is applicable for all types of premises and can be easily installed both on a new surface or on the existing floor in case of repair works, especially when it is highly important to keep a low thickness of the floor construction.

The single-conductor heating mat MH is made of a shielded single-core cable, fixed on the fiber mesh. The MH heating mat fitted up with cold leads and reliable couplings. The double-

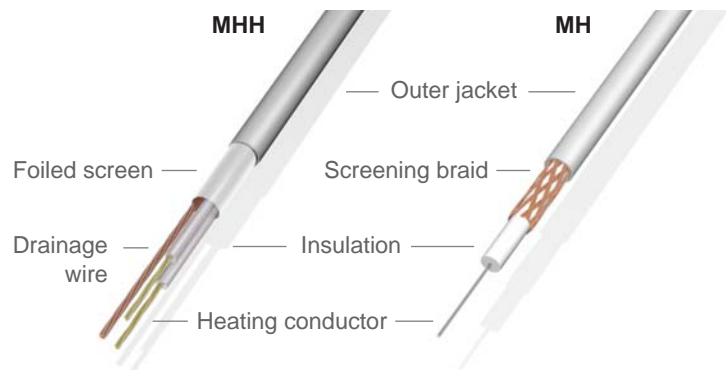


conductor heating mat MHH is made of the shielded double-core cable, fixed on the fiber mesh. MHH heating mat is fitted up with cold lead, reliable coupling and end termination. Thanks to the cable fixation on the self adhesive mesh - there is no need to adjust the wire spacings and to fix the cable on the floor surface. Due to one connection wire twin-core mat construction makes the process of installation easier.

**TECHNICAL DATA**


Rated voltage	230	VAC
Max operation temperature	80	°C
Minimal operation temperature	-10	°C
Minimal storage temperature	-20	°C
Minimal installation temperature	-10	°C


**CABLE DESIGN**





**RELATED PRODUCTS**

**THERMOSTATS**

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**Roomstat 110**  
Analogue electronic thermostat with the light indication of the heating system «on» state and temperature adjustment knob.
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**I-WARM 710**  
Digital flush mounted electronic thermostat with LCD display, remote floor temperature sensor and built-in air temperature sensor, self-diagnostics and service mode.
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**I-WARM 720**  
Programmable digital flush mounted electronic thermostat with LCD display, built-in real-time block and calendar. The user can daily and weekly settle time intervals when he needs heating.
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**I-WARM 730**  
Digital flush mounted electronic thermostat with LCD display with 2 remote floor temperature sensors and two zones control opportunity, self-diagnostics and service mode.

**ACCESSORY MATERIALS**

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Temperature sensor TST02
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Corrugated tube
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Assembly tape

## PRODUCT REFERENCES

SINGLE-CORE HEATING MAT MH				150 W/m <sup>2</sup>
Type	Area, m <sup>2</sup>	Power, W	Amperage, A	Specific resistance at 20 °C, Ohm
MH-160-1,1	1,1	160	0,7	290,3-354,8
MH-215-1,5	1,5	215	0,9	233,4-270,3
MH-265-1,9	1,9	265	1,2	188,7-218,5
MH-360-2,5	2,5	360	1,6	138,9-160,8
MH-470-3,1	3,1	470	2,1	106,5-123,3
MH-570-3,9	3,9	570	2,5	87,8-101,7
MH-660-4,4	4,4	660	2,9	75,8-87,7
MH-800-5,3	5,3	800	3,5	62,8-72,7
MH-980-6,6	6,6	980	4,3	51,4-59,5
MH-1140-7,5	7,5	1140	4,9	44,1-51,1
MH-1275-8,5	8,5	1275	5,5	39,4-45,6
MH-1500-10,0	10,0	1500	6,5	33,6-38,9
MH-1850-12,2	12,2	1850	8,0	27,2-31,5
MH-2070-13,7	13,7	2070	9,0	24,3-28,1
MH-2440-16,2	16,2	2440	10,6	20,6-23,9

SINGLE-CORE HEATING MAT MH				100 W/m <sup>2</sup>
Type	Area, m <sup>2</sup>	Power, W	Amperage, A	Specific resistance at 20 °C, Ohm
MH-165-1,6	1,6	165	0,8	285,4-348,9
MH-220-2,1	2,1	220	1,0	225,7-261,3
MH-270-2,6	2,6	270	1,2	184,3-213,4
MH-365-3,5	3,5	365	1,7	137,8-159,6
MH-470-4,5	4,5	470	2,1	106,5-123,3
MH-575-5,5	5,5	575	2,6	87,4-101,2
MH-680-6,5	6,5	680	3,1	73,8-85,5
MH-795-7,5	7,5	795	3,6	63,2-73,2
MH-990-9,5	9,5	900	4,5	50,7-58,7
MH-1145-11,0	11,0	1145	5,2	43,8-50,7
MH-1280-12,0	12,0	1280	5,8	39,2-45,4
MH-1500-14,0	14,0	1500	6,8	33,5-38,8
MH-1885-18,0	18,0	1885	8,6	26,7-30,9
MH-2100-20,0	20,0	2100	9,5	23,9-27,7
MH-2425-23,0	23,0	2425	10,0	20,7-24,0

DOUBLE-CORE HEATING MAT MHH				150 W/m <sup>2</sup>
Type	Area, m <sup>2</sup>	Power, W	Amperage, A	Specific resistance at 20 °C, Ohm
MHH-95-0,65	0,7	95	0,4	532,8-616,9
MHH-135-1,0	1,0	135	0,6	354,8-433,6
MHH-220-1,6	1,6	220	1,0	214,5-262,2
MHH-300-2,1	2,1	300	1,3	160,4-196,1
MHH-380-2,7	2,7	380	1,7	124,2-151,8
MHH-470-3,4	3,4	470	2,0	101,4-123,9
MHH-545-3,8	3,8	545	2,4	87,3-106,7
MHH-650-4,8	4,8	650	2,8	73,0-89,2
MHH-815-5,7	5,7	815	3,5	58,4-71,4
MHH-930-6,8	6,8	930	4,0	51,1-62,5
MHH-1040-7,8	7,8	1040	4,5	45,9-56,1
MHH-1225-9,0	9,0	1225	5,3	38,9-47,5
MHH-1515-11,0	11,0	1515	6,6	31,4-38,4
MHH-1690-12,7	12,7	1690	7,4	28,2-34,4
MHH-2000-14,0	14,0	2000	8,7	23,8-29,1

DOUBLE-CORE HEATING MAT MHH				100 W/m <sup>2</sup>
Type	Area, m <sup>2</sup>	Power, W	Amperage, A	Specific resistance at 20 °C, Ohm
MHH-75-0,75	0,8	75	0,3	666,0-771,2
MHH-135-1,3	1,3	135	0,6	354,8-433,6
MHH-220-2,1	2,1	220	1,0	214,5-262,2
MHH-300-3,0	3,0	300	1,3	160,4-196,1
MHH-380-3,8	3,8	380	1,7	124,2-151,8
MHH-470-4,6	4,6	470	2,0	101,4-123,9
MHH-545-5,3	5,3	545	2,4	87,3-106,7
MHH-650-6,4	6,4	650	2,8	73,0-89,2
MHH-815-7,8	7,8	815	3,5	58,4-71,4
MHH-930-9,1	9,1	930	4,0	51,1-62,5
MHH-1040-10,1	10,1	1040	4,5	45,9-56,1
MHH-1225-12,0	12,0	1225	5,3	38,9-47,5
MHH-1515-14,7	14,7	1515	6,6	31,4-38,4

## INSTALLATION

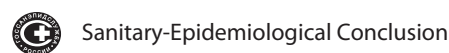
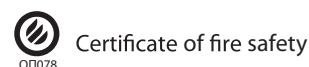
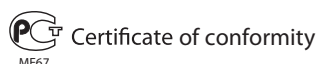
For the installation of the heating mat a thermostat with an appropriate temperature sensor is required. The temperature sensor is also embedded in the cement mortar. It should be placed in a corrugated tube in the middle of one cable loop. The thermostat should be mounted on the wall in the most suitable place for you.

Applicable norms, rules and data sheets as well as instructions and manuals are to be followed!

Please use for detailed installation instructions the "I-WARM Mat heating system installation manual" INST-1003

## APPROVAL DETAILS

The compliance with all necessary requirements is approved by appropriate Certificates:



**TECNISIS**  
PISO RADIANTE ELÉCTRICO

Tecnisis, Estrada S.Marcos ElosparkII A8 -2735-521 Cacém  
Tel.: + 351 214267290  
e-mail: info@tecnisis.pt