

# ELEKTRA Heating Mats

ELEKTRA MD Heating Mats are ready-to-install heating elements which are produced in accordance with EN 60335-2-96. Consisting of a thin heating cable attached to a self-adhesive glass fibre mesh, the system is designed for indoor use and direct heating. It should be installed directly under the surface to be heated, in either flexible tile adhesive or self-levelling compound.

## Single-side power supply MD



### This package contains:

- ELEKTRA heating mat,
- 'cold tails' flexible conduit,
- flexible conduit for the temperature sensor, capped on one end,
- recessed distribution box Ø 60 mm for the temperature controller,
- instruction manual,
- installation video, DVD for PC and Mac.



### > Technical data:

Power output:	100, 160 or 200 W/m <sup>2</sup> (200 W/m <sup>2</sup> applicable in the UK only)
Power supply:	230 V ~ 50/60 Hz
Mat thickness:	~ 3.9 mm
Min. installation temperature:	-5°C
Max. working temperature:	+110°C
Conduit cables:	1 x 4 m; 3 x 1.00 mm <sup>2</sup>
Type of heating cable:	double-core of diameter ~ 3.4 mm, conductor screen, single-side power supply
Power output of heating cable:	~ 7 W/m (MD100), ~ 10 W/m (MD160), ~ 12 W/m (MD200)
Insulation:	double layer, FEP + XLPE
Outer sheath:	XLPE
Rated power output tolerance:	+5%, -10%
Min. radius of bending cable:	5 D
Protection:	IPX7
Product certificates:	VDE, GOST-R
Certificate of ISO 9001:	IQNET, PCBC
Product mark:	CE



**100 W/m<sup>2</sup>**

TYPE	DIMENSIONS	SURFACE	POWER
-	m x m	m <sup>2</sup>	W
MD 100/1.0	0.5 x 2.0	1.00	100
MD 100/1.5	0.5 x 3.0	1.50	150
MD 100/2.0	0.5 x 4.0	2.00	200
MD 100/2.5	0.5 x 5.0	2.50	250
MD 100/3.0	0.5 x 6.0	3.00	300
MD 100/3.5	0.5 x 7.0	3.50	350
MD 100/4.0	0.5 x 8.0	4.00	400
MD 100/4.5	0.5 x 9.0	4.50	450
MD 100/5.0	0.5 x 10.0	5.00	500
MD 100/6.0	0.5 x 12.0	6.00	600
MD 100/8.0	0.5 x 16.0	8.00	800
MD 100/10.0	0.5 x 20.0	10.00	1000
MD 100/12.0	0.5 x 24.0	12.00	1200

**160 W/m<sup>2</sup>**

TYPE	DIMENSIONS	SURFACE	POWER
-	m x m	m <sup>2</sup>	W
MD 160/0.5	0.5 x 1.0	0.50	80
MD 160/1.0	0.5 x 2.0	1.00	160
MD 160/1.5	0.5 x 3.0	1.50	240
MD 160/2.0	0.5 x 4.0	2.00	320
MD 160/2.5	0.5 x 5.0	2.50	400
MD 160/3.0	0.5 x 6.0	3.00	480
MD 160/3.5	0.5 x 7.0	3.50	560
MD 160/4.0	0.5 x 8.0	4.00	640
MD 160/5.0	0.5 x 10.0	5.00	800
MD 160/6.0	0.5 x 12.0	6.00	960
MD 160/7.0	0.5 x 14.0	7.00	1120
MD 160/8.0	0.5 x 16.0	8.00	1280
MD 160/9.0	0.5 x 18.0	9.00	1440
MD 160/10.0	0.5 x 20.0	10.00	1600

**200 W/m<sup>2</sup> (applicable in the UK only)**

TYPE	DIMENSIONS	SURFACE	POWER
-	m x m	m <sup>2</sup>	W
MD 200/1.0	0.5 x 2.0	1.00	200
MD 200/1.5	0.5 x 3.0	1.50	300
MD 200/2.0	0.5 x 4.0	2.00	400
MD 200/2.5	0.5 x 5.0	2.50	500
MD 200/3.0	0.5 x 6.0	3.00	600
MD 200/3.5	0.5 x 7.0	3.50	700
MD 200/4.0	0.5 x 8.0	4.00	800
MD 200/4.5	0.5 x 9.0	4.50	900
MD 200/5.0	0.5 x 10.0	5.00	1000
MD 200/6.0	0.5 x 12.0	6.00	1200
MD 200/7.0	0.5 x 14.0	7.00	1400
MD 200/8.0	0.5 x 16.0	8.00	1600
MD 200/10.0	0.5 x 20.0	10.00	2000

**> Accessories:**

Temperature controllers: OCC2, OCD4, DIGI2, OTN, OTD, ELR, ETN4