

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 glass fibre mesh, the system is designed for indoor use and direct heating. Should be installed directly under the surface to be heated in either flexible tile adhesive or a self-leveling mix.

Single-side power supply
MD 100, MD 160



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.



> Technical data:

Power output:	100 or 160 W/m ²
Power supply:	230 V ~
Mat thickness:	3,9 mm
Min. installation temperature:	+5°C
Max. working temperature:	+80°C
Conduit cables:	1 x 4 m; 3 x 0,75 mm ²
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 (MD 100), ~ 10 W/m (MD 160)
Insulation:	FEP/PVDF
Outer sheath:	XLPE or PVDF
Resistance tolerance:	±5%
Min. radius of bending cable:	5 D
Product certificates:	VDE, UL, B, GOST-R
Certificate of ISO 9001:	IQ NET, PCBC
Product mark:	CE



100 W/m²

TYPE	DIMENSIONS	SURFACE	POWER
-	m x m	m ²	W
MD100/1,0	0,5 x 2,0	1,00	100
MD100/1,5	0,5 x 3,0	1,50	150
MD100/2,0	0,5 x 4,0	2,00	200
MD100/2,5	0,5 x 5,0	2,50	250
MD100/3,0	0,5 x 6,0	3,00	300
MD100/3,5	0,5 x 7,0	3,50	350
MD100/4,0	0,5 x 8,0	4,00	400
MD100/4,5	0,5 x 9,0	4,50	450
MD100/5,0	0,5 x 10,0	5,00	500
MD100/6,0	0,5 x 12,0	6,00	600
MD100/8,0	0,5 x 16,0	8,00	800
MD100/10,0	0,5 x 20,0	10,00	1000

160 W/m²

TYPE	DIMENSIONS	SURFACE	POWER
-	m x m	m ²	W
MD160/1,0	0,5 x 2,0	1,00	160
MD160/1,5	0,5 x 3,0	1,50	240
MD160/2,0	0,5 x 4,0	2,00	320
MD160/2,5	0,5 x 5,0	2,50	400
MD160/3,0	0,5 x 6,0	3,00	480
MD160/3,5	0,5 x 7,0	3,50	560
MD160/4,0	0,5 x 8,0	4,00	640
MD160/4,5	0,5 x 9,0	4,50	720
MD160/5,0	0,5 x 10,0	5,00	800
MD160/6,0	0,5 x 12,0	6,00	960
MD160/7,0	0,5 x 14,0	7,00	1120
MD160/8,0	0,5 x 16,0	8,00	1280

ATTENTION: Values shown in the table may vary by up to 5%.

> Accessories:

Temperature controllers - page 27-32, 36-37