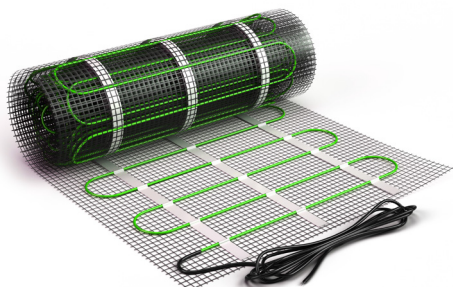


SPECIFICATIONS

Xmat™ MG-150

Thin Electric Heating Mat (c/w Single Cold Tail)



Devex Systems' Xmat™ MG-150 twin conducting electric heating floor mat is only 3.5mm thick and generates very low EMF. For use directly on concrete, fibre cement sheet or F-Board insulation, the mat is also used within thin adhesive beds or floor levelling compounds for a minimal increase in floor height. With its 500mm wide and single 3m cold tail, the MG-150 is suited to a flat rate or "Time of Use" tariff to quickly reach optimal temperatures. The cold tail length can also be customised to fit your needs. The cables comply with IEC 60800:2009

We recommend the use of F-Board Insulation with electric floor heating to quickly reach optimal temperatures and reduce running costs.

- 20 year warranty
- Output power based on 230 volts
- Operating Temperature Range: -30°C to +80°C
- Minimum Temperature during Installation: -5°C
- Self adhesive mesh sticks to any clean substrate

TECHNICAL FEATURES

CONSTRUCTION

Cable core	Twin Conductor; single strand
Insulation	Fluoro-polymer
Protection screen	Aluminium foil with copper drain wire
Outer Sheath	Thermal resistant PVC
Outer cable diameter	2.8 - 3.5mm

MECHANICAL PROPERTIES

Minimum Bending Radius	21mm
Pulling Strength	120 N
Deformation Strength	600 N

APPLICATION

Heating directly under tiles ($\leq 15\text{mm}$)	✓
Heating in floors with thin levelling bed ($\leq 15\text{mm}$)	✓
In-slab (storage) heating in concrete floors	x
In-screed heating on concrete floors (20-25mm)	x
Freezers (frost heave protection)	x
Frost protection	x
Ice and snow melting	x

HEATING PROPERTIES

Max Permitted Operating Temp	-30°C to +80°C
Min Installation Temperature	-5°C

ELECTRICAL PROPERTIES

Rated Voltage	230 V
Watts Per Meter	150 W/m ²

AVAILABLE SIZES

Code No	Output	Resistance	Description *
A1A001	75 W	705 Ohm	0.5 m ²
A1A002	150 W	353 Ohm	1.0 m ²
A1A003	225 W	235 Ohm	1.5 m ²
A1A004	300 W	176 Ohm	2.0 m ²
A1A005	375 W	141 Ohm	2.5 m ²
A1A006	450 W	118 Ohm	3.0 m ²
A1A007	525 W	101 Ohm	3.5 m ²
A1A008	600 W	88 Ohm	4.0 m ²
A1A010	750 W	71 Ohm	5.0 m ²
A1A011	900 W	59 Ohm	6.0 m ²
A1A012	1,050 W	50 Ohm	7.0 m ²
A1A013	1,200 W	44 Ohm	8.0 m ²
A1A014	1,350 W	39 Ohm	9.0 m ²
A1A015	1,500 W	35 Ohm	10.0 m ²
A1A017	1,800 W	29 Ohm	12.0 m ²

* All sizes include a Thin Electric Heating Mat with 3m Single Cold Tail.