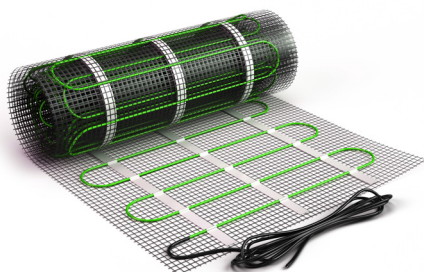


SPECIFICATIONS

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 ($\leq 15\text{mm}$) | ✓ |
| Heating for wood floors ($\leq 15\text{mm}$) | ✓ |
| In-slab (storage) heating in concrete floors | ✗ |
| In-screed heating on concrete floors (20-25mm) | ✗ |
| Freezers (frost heave protection) | ✗ |
| Ice and snow melting | ✗ |

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.
To be used with a floor/air thermostat

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