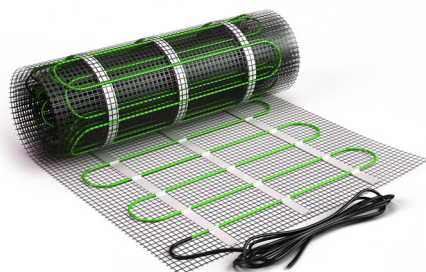


SPECIFICATIONS

Xmat™ ML 150

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



Devex Systems' Xmat™ ML 150 single conductor electric heating floor mat is only 2.5mm thick. 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 two 3m cold tails, the ML 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



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 | 2.0 - 2.5mm |

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 | Length | Description* |
|---------|---------|-------------|--------|---------------------|
| A1E001 | 75 W | 704 Ohm | 1 m | 0.5 m ² |
| A1E002 | 150 W | 381.48 Ohm | 2 m | 1.0 m ² |
| A1E003 | 225 W | 247.59 Ohm | 3 m | 1.5 m ² |
| A1E004 | 300 W | 176.292 Ohm | 4 m | 2.0 m ² |
| A1E005 | 375 W | 145.392 Ohm | 5 m | 2.5 m ² |
| A1E006 | 450 W | 117.72 Ohm | 6 m | 3.0 m ² |
| A1E007 | 525 W | 110.11 Ohm | 7 m | 3.5 m ² |
| A1E008 | 600 W | 95.004 Ohm | 8 m | 4.0 m ² |
| A1E010 | 750 W | 73.986 Ohm | 10 m | 5.0 m ² |
| A1E011 | 900 W | 59.211 Ohm | 12 m | 6.0 m ² |
| A1E012 | 1,050 W | 50.16 Ohm | 14 m | 7.0 m ² |
| A1E013 | 1,200 W | 45.908 Ohm | 16 m | 8.0 m ² |
| A1E014 | 1,350 W | 42.084 Ohm | 18 m | 9.0 m ² |
| A1E015 | 1,500 W | 35.844 Ohm | 20 m | 10.0 m ² |
| A1E017 | 1,800 W | 29.66 Ohm | 24 m | 12.0 m ² |

* All sizes include a Thin Electric Heating Mat with 3m Twin Cold Tails.

p: 1800 636 091 | e: info@devexsystems.com.au | w: www.devexsystems.com.au