# ALUMAT

## 80, 140 W/m²

DANISH DESIGN



AluMat is an ultra-thin electric heating mat designed for installation directly beneath wooden, parquet and laminate flooring without the need for levelling compounds. Its innovative design with ultra-thin heating cables and an aluminium earth shield ensures efficient and even heat distribution while adding minimal build height to the floor construction.

The mat is installed on a suitable insulating underlay, such as Heatcom Reflector 3 or Reflector 6, providing additional thermal and sound insulation. The dual conductor system requires only one power lead, while the simple cut-and-turn design allows quick, dry and clean installation. A thermostat with a floor sensor and a maximum temperature limit of 27°C is recommended to protect the floor covering.

DRY AND EASY INSTALLATION
Quick and clean installation without levelling compounds, using only basic tools.

IDEAL FOR FLOATING FLOORS
Designed for wooden, parquet and laminate flooring, with additional applications possible using suitable accessories.

ULTRA-THIN DESIGN
Adds minimal build height, making it ideal for renovations and existing floors.

FLEXIBLE INSTALLATION
The cut-and-turn design adapts easily to different room layouts, with only one power lead per mat.

EFFICIENT AND EVEN HEATING
The aluminium layer ensures uniform heat distribution and comfortable floor heating.

IMPROVED THERMAL INSULATION
Reflector underlay reduces downward heat loss and provides additional sound insulation.

SAFE AND RELIABLE OPERATION
The aluminium earth shield and recommended temperature limiter help ensure safe operation and protect floor coverings.

LONG-LASTING PERFORMANCE
Reliable, maintenance-free heating available in various sizes and backed by a 15-year warranty.



UK CA CE

Version 4-1112026

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# DATA SHEET

15 WARRANTY

## TECHNICAL DATA

| | |
|---|---|
| Voltage | 230 V - 50Hz |
| Mat thickness | 1,5 mm (+0,5mm/-0,2mm) |
| Inner conductor, insulation | Fluoropolymer |
| Supply cable | 3 m, PVC |
| Max. permissible temperature | 80° C |
| Heating mat, outer material | Full coverage aluminium foil |
| Warranty | 15 years |
| Standards | EN60335-2-96 |
| Tolerance length | -/+ 2 % |
| Tolerance resistance | -5 %/+10 % |

## APPLICATIONS

| | |
|---|---|
| Wet rooms | |
| Reg. housing | ✓ |
| Concrete | |
| Existing floor | ✓ |
| In screed | |

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# PRODUCT OVERVIEW

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## ALUMAT - 80 W/m²

| PRODUCT DESCRIPTION | ITEM NO. | POWER | CURRENT | RESISTANCE |
|---|---|---|---|---|
| AluMat 80 W/m² - 1.0 m² (0.5 x 2.0 m) | 40840010 | 80 W | 0.3 A | 661 Ω |
| AluMat 80 W/m² - 1.5 m² (0.5 x 3.0 m) | 40840015 | 120 W | 0.5 A | 441 Ω |
| AluMat 80 W/m² - 2.0 m² (0.5 x 4.0 m) | 40840020 | 160 W | 0.7 A | 331 Ω |
| AluMat 80 W/m² - 2.5 m² (0.5 x 5.0 m) | 40840025 | 200 W | 0.9 A | 265 Ω |
| AluMat 80 W/m² - 3.0 m² (0.5 x 6.0 m) | 40840030 | 240 W | 1.0 A | 220 Ω |
| AluMat 80 W/m² - 3.5 m² (0.5 x 7.0 m) | 40840035 | 280 W | 1.2 A | 189 Ω |
| AluMat 80 W/m² - 4.0 m² (0.5 x 8.0 m) | 40840040 | 320 W | 1.4 A | 165 Ω |
| AluMat 80 W/m² - 4.5 m² (0.5 x 9.0 m) | 40840045 | 360 W | 1.6 A | 147 Ω |
| AluMat 80 W/m² - 5.0 m² (0.5 x 10.0 m) | 40840050 | 400 W | 1.7 A | 132 Ω |
| AluMat 80 W/m² - 6.0 m² (0.5 x 12.0 m) | 40840060 | 480 W | 2.1 A | 110 Ω |
| AluMat 80 W/m² - 7.0 m² (0.5 x 14.0 m) | 40840070 | 560 W | 2.4 A | 94 Ω |
| AluMat 80 W/m² - 8.0 m² (0.5 x 16.0 m) | 40840080 | 640 W | 2.8 A | 83 Ω |
| AluMat 80 W/m² - 9.0 m² (0.5 x 18.0 m) | 40840090 | 720 W | 3.1 A | 73 Ω |
| AluMat 80 W/m² - 10.0 m² (0.5 x 20.0 m) | 40840100 | 800 W | 3.5 A | 66 Ω |
| AluMat 80 W/m² - 12.0 m² (0.5 x 24.0 m) | 40840120 | 960 W | 4.2 A | 55 Ω |
| AluMat 80 W/m² - 15.0 m² (0.5 x 30.0 m) | 40840150 | 1200 W | 5.2 A | 44 Ω |

## ALUMAT - 140 W/m²

| PRODUCT DESCRIPTION | ITEM NO. | POWER | CURRENT | RESISTANCE |
|---|---|---|---|---|
| AluMat 140 W/m² - 1,0 m² (0,5 x 2,0 m) | 40850010 | 140 W | 0,6 A | 378 Ω |
| AluMat 140 W/m² - 1,5 m² (0,5 x 3,0 m) | 40850015 | 210 W | 0,9 A | 252 Ω |
| AluMat 140 W/m² - 2,0 m² (0,5 x 4,0 m) | 40850020 | 280 W | 1,2 A | 189 Ω |
| AluMat 140 W/m² - 2,5 m² (0,5 x 5,0 m) | 40850025 | 350 W | 1,5 A | 151 Ω |
| AluMat 140 W/m² - 3,0 m² (0,5 x 6,0 m) | 40850030 | 420 W | 1,8 A | 126 Ω |
| AluMat 140 W/m² - 3,5 m² (0,5 x 7,0 m) | 40850035 | 490 W | 2,1 A | 108 Ω |
| AluMat 140 W/m² - 4,0 m² (0,5 x 8,0 m) | 40850040 | 560 W | 2,4 A | 94 Ω |
| AluMat 140 W/m² - 4,5 m² (0,5 x 9,0 m) | 40850045 | 630 W | 2,7 A | 84 Ω |
| AluMat 140 W/m² - 5,0 m² (0,5 x 10,0 m) | 40850050 | 700 W | 3,0 A | 76 Ω |
| AluMat 140 W/m² - 6,0 m² (0,5 x 12,0 m) | 40850060 | 840 W | 3,7 A | 63 Ω |
| AluMat 140 W/m² - 7,0 m² (0,5 x 14,0 m) | 40850070 | 980 W | 4,3 A | 54 Ω |
| AluMat 140 W/m² - 8,0 m² (0,5 x 16,0 m) | 40850080 | 1120 W | 4,9 A | 47 Ω |
| AluMat 140 W/m² - 9,0 m² (0,5 x 18,0 m) | 40850090 | 1260 W | 5,5 A | 42 Ω |
| AluMat 140 W/m² - 10,0 m² (0,5 x 20,0 m) | 40850100 | 1400 W | 6,1 A | 38 Ω |
| AluMat 140 W/m² - 12,0 m² (0,5 x 24,0 m) | 40850120 | 1680 W | 7,3 A | 31 Ω |
| AluMat 140 W/m² - 15,0 m² (0,5 x 30,0 m) | 40850150 | 2099 W | 9,1 A | 25 Ω |

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## ACCESSORIES

| DESCRIPTION | ITEM NO. |
|---|---|
| Thermostat HC 110 Wifi White | 53001010 |
| Thermostat HC 110 Wifi Anthrazit | 53001015 |
| Reflector Boards 90KPa 3mm | 40101030 |
| Reflector Boards 90KPa 6mm | 40101060 |
| Astroflex Sensor Conduit Ø8,5 mm x 2,5 m | 53000004 |
| Alu-tape 25 m | 40049008 |
| Flush mounted back box for hard walls | 53000002 |
| Surface mounted back box for light walls | 53000003 |

LINK TO OUR WEBSITE

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