



## ALUMAT 80, 140 W/m<sup>2</sup>

AluMat is an electric heating mat developed for underfloor heating beneath wooden and laminate flooring without requiring covering with levelling compounds. The mat contains ultra-thin heating cables and an aluminium earth shield.

The power requirement (W/m<sup>2</sup>) depends on the specific conditions in the surrounding building and the level of insulation in the room.

AluMats must be fitted on top of the insulating underlay, i.e. Reflector 3, Reflector 6 or another underlay with similar properties.

We recommend using a thermostat with a floor sensor and temperature limiter at max. 27°C to avoid the risk of floor damage by too rapid heating and high temperature.

Dual conductor system – only one power lead per heating mat.



### TECHNICAL DATA

Voltage	230 V - 50Hz
Mat thickness	Ø1,7 mm
Inner conductor, insulation	FEP
Cold cable	3 m
Outer sheath	PVC
Max. permissible cable temperature	90° C
Heat dissipation material	Full coverage aluminium foil
Warranty	15 years
Approval	CE
Standard	EN60335-2-96
Tolerance resistance	-5 %/+10 %

### APPLICATIONS

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

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## ALUMAT - 80 W/m<sup>2</sup>

PRODUCT DESCRIPTION	POWER	CURRENT	RESISTANCE
AluMat 80 W/m <sup>2</sup> - 1.0 m <sup>2</sup> (0.5 x 2.0 m)	80 W	0.3 A	661 Ω
AluMat 80 W/m <sup>2</sup> - 1.5 m <sup>2</sup> (0.5 x 3.0 m)	120 W	0.5 A	441 Ω
AluMat 80 W/m <sup>2</sup> - 2.0 m <sup>2</sup> (0.5 x 4.0 m)	160 W	0.7 A	331 Ω
AluMat 80 W/m <sup>2</sup> - 2.5 m <sup>2</sup> (0.5 x 5.0 m)	200 W	0.9 A	265 Ω
AluMat 80 W/m <sup>2</sup> - 3.0 m <sup>2</sup> (0.5 x 6.0 m)	240 W	1.0 A	220 Ω
AluMat 80 W/m <sup>2</sup> - 3.5 m <sup>2</sup> (0.5 x 7.0 m)	280 W	1.2 A	189 Ω
AluMat 80 W/m <sup>2</sup> - 4.0 m <sup>2</sup> (0.5 x 8.0 m)	320 W	1.4 A	165 Ω
AluMat 80 W/m <sup>2</sup> - 4.5 m <sup>2</sup> (0.5 x 9.0 m)	360 W	1.6 A	147 Ω
AluMat 80 W/m <sup>2</sup> - 5.0 m <sup>2</sup> (0.5 x 10.0 m)	400 W	1.7 A	132 Ω
AluMat 80 W/m <sup>2</sup> - 6.0 m <sup>2</sup> (0.5 x 12.0 m)	480 W	2.1 A	110 Ω
AluMat 80 W/m <sup>2</sup> - 7.0 m <sup>2</sup> (0.5 x 14.0 m)	560 W	2.4 A	94 Ω
AluMat 80 W/m <sup>2</sup> - 8.0 m <sup>2</sup> (0.5 x 16.0 m)	640 W	2.8 A	83 Ω
AluMat 80 W/m <sup>2</sup> - 9.0 m <sup>2</sup> (0.5 x 18.0 m)	720 W	3.1 A	73 Ω
AluMat 80 W/m <sup>2</sup> - 10.0 m <sup>2</sup> (0.5 x 20.0 m)	800 W	3.5 A	66 Ω
AluMat 80 W/m <sup>2</sup> - 12.0 m <sup>2</sup> (0.5 x 24.0 m)	960 W	4.2 A	55 Ω
AluMat 80 W/m <sup>2</sup> - 15.0 m <sup>2</sup> (0.5 x 30.0 m)	1200 W	5.2 A	44 Ω

## ALUMAT - 140 W/m<sup>2</sup>

PRODUCT DESCRIPTION	POWER	CURRENT	RESISTANCE
AluMat 140 W/m <sup>2</sup> - 1,0 m <sup>2</sup> (0,5 x 2,0 m)	140 W	0,6 A	378 Ω
AluMat 140 W/m <sup>2</sup> - 1,5 m <sup>2</sup> (0,5 x 3,0 m)	210 W	0,9 A	252 Ω
AluMat 140 W/m <sup>2</sup> - 2,0 m <sup>2</sup> (0,5 x 4,0 m)	280 W	1,2 A	189 Ω
AluMat 140 W/m <sup>2</sup> - 2,5 m <sup>2</sup> (0,5 x 5,0 m)	350 W	1,5 A	151 Ω
AluMat 140 W/m <sup>2</sup> - 3,0 m <sup>2</sup> (0,5 x 6,0 m)	420 W	1,8 A	126 Ω
AluMat 140 W/m <sup>2</sup> - 3,5 m <sup>2</sup> (0,5 x 7,0 m)	490 W	2,1 A	108 Ω
AluMat 140 W/m <sup>2</sup> - 4,0 m <sup>2</sup> (0,5 x 8,0 m)	560 W	2,4 A	94 Ω
AluMat 140 W/m <sup>2</sup> - 4,5 m <sup>2</sup> (0,5 x 9,0 m)	630 W	2,7 A	84 Ω
AluMat 140 W/m <sup>2</sup> - 5,0 m <sup>2</sup> (0,5 x 10,0 m)	700 W	3,0 A	76 Ω
AluMat 140 W/m <sup>2</sup> - 6,0 m <sup>2</sup> (0,5 x 12,0 m)	840 W	3,7 A	63 Ω
AluMat 140 W/m <sup>2</sup> - 7,0 m <sup>2</sup> (0,5 x 14,0 m)	980 W	4,3 A	54 Ω
AluMat 140 W/m <sup>2</sup> - 8,0 m <sup>2</sup> (0,5 x 16,0 m)	1120 W	4,9 A	47 Ω
AluMat 140 W/m <sup>2</sup> - 9,0 m <sup>2</sup> (0,5 x 18,0 m)	1260 W	5,5 A	42 Ω
AluMat 140 W/m <sup>2</sup> - 10,0 m <sup>2</sup> (0,5 x 20,0 m)	1400 W	6,1 A	38 Ω
AluMat 140 W/m <sup>2</sup> - 12,0 m <sup>2</sup> (0,5 x 24,0 m)	1680 W	7,3 A	31 Ω
AluMat 140 W/m <sup>2</sup> - 15,0 m <sup>2</sup> (0,5 x 30,0 m)	2099 W	9,1 A	25 Ω

Version 1-052021

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