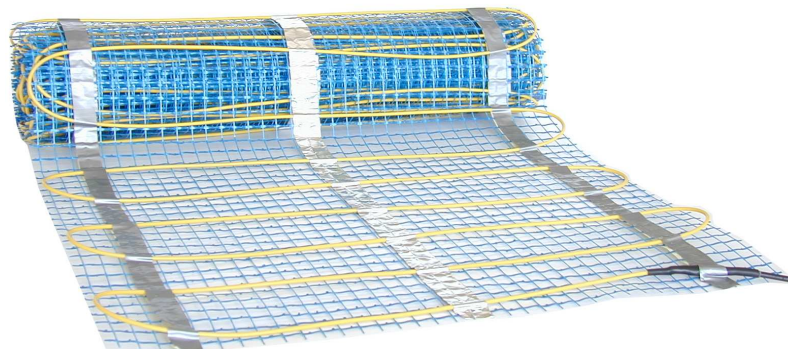




Heating mat



Application

Electric underfloor heating (EUH) is a modern alternative to conventional heating methods. EUH comprises built-in floor electrical resistance cable system and regulatory components. Exact positioning of the cable system is applicable in variable ways, as seen in floor profile sections Fig. 1 and 2, allowing selection of the best and most economically advantageous underfloor heating variation for our customers

Figures

Fig. 1 Thin-layer floor (direct floor heating)

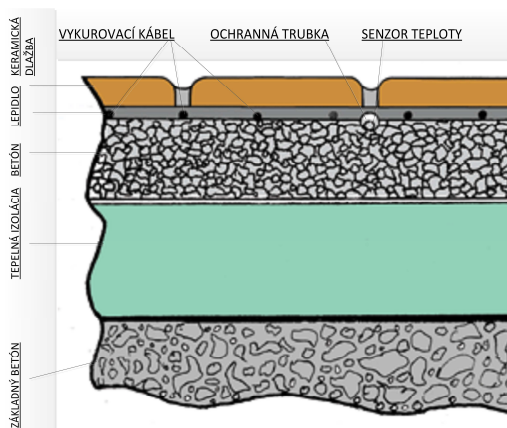


Fig. 2 Reconstructed floor

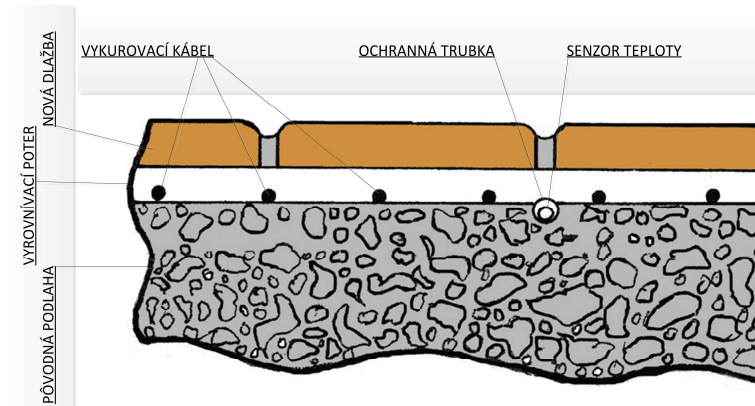


Fig. 1

across: heating cable, protection tube, thermal sensor
down: tiled floor, flexible adhesive, concrete, thermal insulation, concrete subfloor

Fig. 2

across: heating cable, protection tube, thermal sensor
down: new floor, levelling compound, original floor



Heating mats 100 W/m²:

Area	Length	Width	Thermal putput	DC resistance
1 m ²	2 m	0,5 m	100 W	529 Ω
1,5 m ²	3 m	0,5 m	150 W	353 Ω
2 m ²	4 m	0,5 m	200 W	265 Ω
2,5 m ²	5 m	0,5 m	250 W	212 Ω
3 m ²	6 m	0,5 m	300 W	176 Ω
3,5 m ²	7 m	0,5 m	350 W	151 Ω
4 m ²	8 m	0,5 m	400 W	132 Ω
5 m ²	10 m	0,5 m	500 W	106 Ω
6 m ²	12 m	0,5 m	600 W	88 Ω
8 m ²	16 m	0,5 m	800 W	66 Ω
10 m ²	20 m	0,5 m	1000 W	53 Ω
12 m ²	24 m	0,5 m	1200 W	44 Ω
15 m ²	30 m	0,5 m	1500 W	35 Ω

Heating mats 120 W/m²:

Area	Length	Width	Thermal putput	DC resistance
1 m ²	2 m	0,5 m	120 W	441 Ω
1,5 m ²	3 m	0,5 m	180 W	294 Ω
2 m ²	4 m	0,5 m	240 W	220 Ω
2,5 m ²	5 m	0,5 m	300 W	176 Ω
3 m ²	6 m	0,5 m	360 W	147 Ω
3,5 m ²	7 m	0,5 m	420 W	126 Ω
4 m ²	8 m	0,5 m	480 W	110 Ω
5 m ²	10 m	0,5 m	600 W	88 Ω
6 m ²	12 m	0,5 m	720 W	73 Ω
8 m ²	16 m	0,5 m	960 W	55 Ω
10 m ²	20 m	0,5 m	1200 W	44 Ω
12 m ²	24 m	0,5 m	1440 W	37 Ω
15 m ²	30 m	0,5 m	1800 W	29 Ω

Heating mats 150 W/m²:

Area	Length	Width	Thermal putput	DC resistance
1 m ²	2 m	0,5 m	150 W	353 Ω
1,5 m ²	3 m	0,5 m	225 W	235 Ω
2 m ²	4 m	0,5 m	300 W	176 Ω
2,5 m ²	5 m	0,5 m	375 W	141 Ω
3 m ²	6 m	0,5 m	450 W	118 Ω
3,5 m ²	7 m	0,5 m	525 W	101 Ω
4 m ²	8 m	0,5 m	600 W	88 Ω
5 m ²	10 m	0,5 m	750 W	71 Ω
6 m ²	12 m	0,5 m	900 W	59 Ω
8 m ²	16 m	0,5 m	1200 W	44 Ω
10 m ²	20 m	0,5 m	1500 W	35 Ω
12 m ²	24 m	0,5 m	1800 W	29 Ω
15 m ²	30 m	0,5 m	2250 W	24 Ω



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