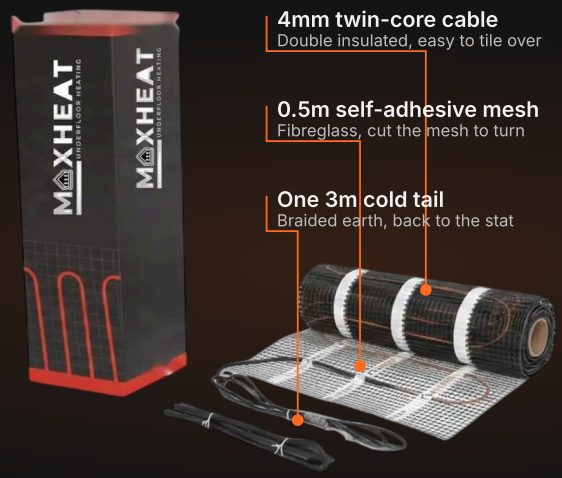
MAXHEATUFH ELECTRIC UNDERFLOOR HEATING MAT 150W/M²

The all-round mat, for tile and stone.

A 150W/m² electric heating mat for kitchens, bathrooms and conservatories over a well insulated subfloor, laid in the tile adhesive bed.

CODES

MH-EM150-150 to MH-EM150-1800



01 · KEY FEATURES

Why this mat

- Twin-core cable on a self-adhesive 0.5m wide fibreglass mesh
- Tough 4mm cable, double insulated, easy to tile over
- One 3m cold tail back to the thermostat
- About 3 to 4mm thick, so floor height barely changes
- 13 sizes from 1.0m² to 12.0m²

IN THE BOX

Heating mat with 3m cold tail

150 W/m²	230 V AC	3-4 mm	0.5 m	3 m	30 mA
OUTPUT	SUPPLY	THICKNESS, ABOUT	MESH WIDTH	COLD TAIL	RCD PROTECTION

02 · SPECIFICATION

Output	150W/m² (150W per m² of mat)
Supply	230V AC
Mesh	0.5m wide self-adhesive fibreglass
Cable	4mm twin core, fluoropolymer insulation, PVC jacket
Thickness	About 3 to 4mm
Cold tail	Single, 3m, braided earth
Floor finish	Tile and stone, in the tile adhesive bed
Control	Floor-sensing thermostat
Protection	30mA RCD, install to BS 7671
Warranty	Lifetime warranty

03 · SIZES, CODES AND RESISTANCE VALUES

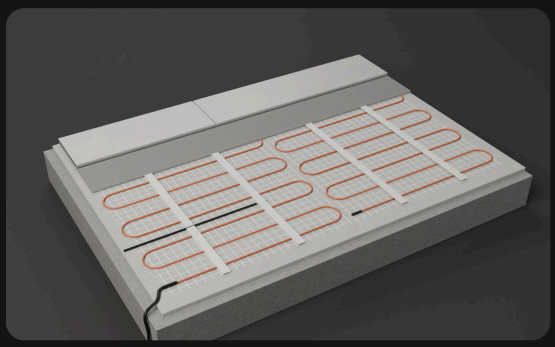
Nominal values at 230V, 12.0m² calculated. Compare your test readings with these.

MAT SIZE	CODE	ROLL LENGTH, APPROX	POWER	CURRENT	RESISTANCE
1.0m²	MH-EM150-150	2.0m	150W	0.65A	352.67Ω
1.5m²	MH-EM150-225	3.0m	225W	0.98A	235.11Ω
2.0m²	MH-EM150-300	4.0m	300W	1.30A	176.33Ω
2.5m²	MH-EM150-375	5.0m	375W	1.63A	141.07Ω
3.0m²	MH-EM150-450	6.0m	450W	1.96A	117.56Ω
4.0m²	MH-EM150-600	8.0m	600W	2.61A	88.17Ω
5.0m²	MH-EM150-750	10.0m	750W	3.26A	70.53Ω
6.0m²	MH-EM150-900	12.0m	900W	3.91A	58.78Ω
7.0m²	MH-EM150-1050	14.0m	1050W	4.57A	50.38Ω
8.0m²	MH-EM150-1200	16.0m	1200W	5.22A	44.08Ω
9.0m²	MH-EM150-1350	18.0m	1350W	5.87A	39.19Ω
10.0m²	MH-EM150-1500	20.0m	1500W	6.52A	35.27Ω
12.0m²	MH-EM150-1800	24.0m	1800W	7.83A	29.39Ω

04 · INSTALL GUIDE

Plan it, lay it, test it three times.

30mA RCD, BS 7671	Never cut the cable	Test and record	No bitumen
Protect the circuit with a 30mA RCD. A qualified electrician must make the final connection.	Never cut, cross or overlap the heating cable. Keep runs at least 50mm apart.	Test cable and insulation resistance before, during and after laying.	Never lay on bitumen. Cover it with backer board or 3 to 5mm of smoothing compound.



05 · THE BUILD-UP, TOP DOWN

1. **Tile or stone** in flexible tile adhesive
2. **Latex levelling compound, 5 to 6mm** optional, for extra protection
3. **Heating mat, about 3 to 4mm** fully bedded, joints in shallow grooves
4. **Floor sensor in conduit** between two heating runs, not touching the cable
5. **Primer** let it dry, usually 1 to 2 hours
6. **Solid, clean subfloor** timber overboarded with marine ply or tile backer board

06 · INSTALLATION

1. **Prepare.** Subfloor solid, clean and dust free. Overboard timber with marine ply or tile backer board. Never lay on bitumen.
2. Prime and board. Prime and let dry. Lay boards in a brick bond, bedded in cement-based adhesive or screwed at 300mm centres or less. XPS on timber: 6 screws per board.
3. **Test and plan.** Test the mat and record readings. Draw the layout on a floor plan with the thermostat and fused spur, so the whole mat is used. An unrolled mat cannot be returned.
4. **Roll out.** Start at the thermostat end, 50 to 100mm in from the walls, pressing the mesh down. Cut the mesh (never the cable) to turn back.
5. **Work round fittings.** Round a toilet or basin, lift the cable off the mesh and lay it loose. Keep every run at least 50mm from the next.
6. **Bed the joints.** Sit the cold tail joint and end joint in a shallow groove. Tape either side, never over the joint, and fully bed both.
7. **Sensor and tail.** Run the sensor in conduit between two runs. If shortening the cold tail, unpick the braided earth (never cut along it), twist it and connect to supply earth.
8. **Test, then tile.** Test again, then tile in flexible adhesive. For extra protection, first cover with 5 to 6mm of latex levelling compound.

07 · TEST RECORD

Fill in on site, keep for the handover

STAGE	CABLE RESISTANCE Ω	INSULATION RESISTANCE	DATE
Out of the box			
Once laid			
After tiling			

Mat size _____ m² · nominal resistance from the table on page 1 _____ Ω

08 · COMMISSIONING AND CARE

- ☑ The electrician carries out a 500V DC insulation resistance test
- ☑ Fix a commissioning record with a sketch of the heated area at or near the consumer unit, as BS 7671 requires
- ☑ Let the adhesive cure, usually about 7 days, then raise the floor temperature by 1 to 2°C a day
- ☑ No flat-bottomed furniture, bean bags or rugs over 2.5 tog on heated areas

09 · WORKS WITH

- Heatmiser neoStat-e or Slimline-E floor-sensing thermostat
- 6mm Cementitious Tile Backer Board
- Cement Coated XPS Tile Backer Board
- Ultra Prime It Multi-Surface Primer

SCAN ME

Watch how it works and fits

Point your phone camera at the code to watch the video.

LAYOUT HELP AND ORDERS

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