



DESCRIPTION

TileTherm is a slim heating element (2mm OD) attached to a flexible fibreglass mesh, with a total thickness of 3mm. This mat is laid and evenly spaced over the area to be tiled. Each end of the heating cable has a 5 metre 'cold tail' for connection to the mains supply via thermostatic control, with or without a timer. 10 year manufacturers warranty.

APPLICATION

TileTherm is a maintenance free way of providing a gentle, even warmth for wooden or concrete tiled floors. It can also be used under parquet, timber and vinyl flooring with the addition of a suitably modified levelling compound. TileTherm is mainly used in Bathrooms, Ensuites, Kitchens and Dining areas.

COMPLIANCES

- IEC 60335-1
- IEC 60335-2.96

CONSTRUCTION

Heating Cable

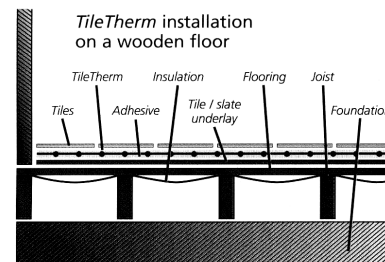
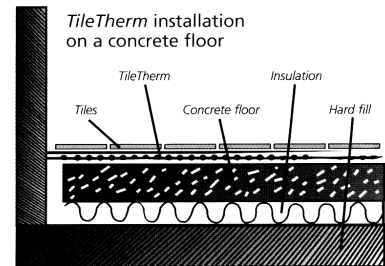
- Stranded resistance wire
- PTFE insulation
- Nickel plated copper braid
- Clear PTFE outer sheath
- 2.0mm OD cable
- 3.0mm thick including mesh

Cold Tails (Factory Fitted) x 2

- Nickel plated copper conductor
- PTFE insulation
- Nickel plated copper braid
- Clear PTFE outer sheath
- 3.0mm OD cable
- 5 metres long



Model	Area (m ²)	Size (cm)	Resistance (ohms)	Power (W)	
				230V	240V
50000	0.75	50 x 150	551.0	96	105
50002	1.50	50 x 300	275.5	192	209
50004	2.25	50 x 450	183.6	288	314
50006	3.00	50 x 600	137.7	384	418
50007	3.75	50 x 750	110.2	480	523
50008	4.50	50 x 900	91.84	576	627
50009	5.25	50 x 1050	78.72	672	732
50010	6.00	50 x 1200	68.88	768	836
50012	7.50	50 x 1500	55.10	960	1045
50014	1.50	90 x 150	275.5	192	209
50016	3.00	90 x 300	137.8	384	418
50018	4.50	90 x 450	91.84	576	627
50020	6.00	90 x 600	68.88	768	836
50022	9.00	90 x 900	45.92	1152	1254
50024	12.00	90 x 1200	34.44	1536	1672
50025	15.00	90 x 1500	27.55	1920	2091
50026	18.00	90 x 1800	22.96	2304	2509



CONTROLS

- Flush mounted electronic thermostat with floor sensor, with or without a built-in time clock - [OJ Electronic MTC 1991](#) or [MCC2 1991](#).
- DIN Rail mounted electronic thermostat with remote floor sensor - [OJ Electronic ETV 1991](#).

INSTALLATION

- TileTherm is rolled out, with the **cable side down**, in the area to be heated and then fitted by cutting the flexible plastic mesh to suit the floor space. The cold tail joint should be set into the floor. Fixing the mat to the floor is achieved by gluing with a spray contact adhesive. TileTherm's ultra thin construction (3mm) and open-weave fixing mesh means no special primers, sealers or self-levelling screeds are required.
- The element must be tested immediately after laying and again when tiling is complete. Details are recorded on the warranty document supplied.
- A flexible tile adhesive recommended for warm floors is applied, using a tooth shaped trowel, over the element and the thermostats floor sensor. Make sure the adhesive is properly distributed through the element grid. The tiles are then fixed in accordance with the manufacturer's instructions.
- For full installation details refer to [TileTherm Undertile Heating Installation Instructions](#).

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