

Overview

The NovaTherm Electric Mat System is designed for use within the adhesive layer under tiles or within a levelling compound under other floor finishes. The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy whilst ensuring precision is maintained. The pressure sensitive adhesive securely binds the mats to the floor, keeping them flat and ensuring the application of tile adhesive is snag free whilst allowing the mats to be easily repositioned as needed.

The strong 4mm dual core heating cable, is double insulated with an advanced fluoropolymer insulation and PVC jacket making it exceptionally tough and easy to tile over.

For floors using a vinyl, carpet, timber or other UFH compatible floor finishes including tiles the system can be covered with a levelling compound to provide a flat and level floor surface. NovaTherm Electric Mats are available in both 150W/m² and 200W/m² variants making them ideal for use as the primary heat source within modern homes and most older properties.

Features

The strong 4mm dual core heating cable, is double insulated with an advanced fluoropolymer insulation and PVC jacket making it exceptionally tough and easy to tile over.

Ideal for regular shaped rooms, where the 0.5m wide mats can be rolled out across the floor in parallel runs. Pressure sensitive adhesive securely binds the mats to the floor keeping them flat for fast and secure installation BEAB Approved and CE marked meeting the highest safety standards for ultimate piece of mind Lifetime Installation Guarantee.

Safety Guidelines

This manual has been designed for your safety. For a successful installation please make sure you have understood the guidelines and adhered to all the instructions.

Flat bottomed furniture **MUST NOT BE** placed over areas where the heating mat/cable is installed as this can restrict airflow to the floor, causing thermal blocking, and in extreme cases may lead to the cable overheating causing a possible fire hazard. This also includes rugs, bean bags, or any item which has a tog value greater than 2.5.

The supplied Commissioning Record **MUST BE** completed, including a floor plan sketch, to indicate heated areas, which must be permanently fixed in or near the distribution/fuse board as required by the 18th Edition BS7671 amendment.

Lifetime Warranty

NovaTherm Electric Mats come with a full lifetime warranty.

The warranty does not cover installations made by unauthorized persons or faults caused by incorrect design by others / misuse / damage caused by others / damage in transit / incorrect installation and any other subsequent damage that may occur.

Replacement will be fully chargeable if the damage is because of any of the above reasons.

Resistance Values

Mats 150W/m ²			
AREA TO BE HEATED (m ²)	Power (W)	LOAD (A)	RESISTANCE (Ω)
1	150	0.65	352.67
1.5	225	0.98	235.11
2	300	1.3	176.33
2.5	375	1.63	141.07
3	450	1.96	117.56
4	600	2.61	88.17
5	750	3.26	70.53
6	900	3.91	58.78
7	1050	4.57	50.38
8	1200	5.22	44.08
9	1350	5.87	39.19
10	1500	6.52	35.27

Mats 200W/m ²			
AREA TO BE HEATED (m ²)	Power (W)	LOAD (A)	RESISTANCE (Ω)
1	200	0.87	264.50
1.5	300	1.30	176.33
2	400	1.74	132.25
2.5	500	2.17	105.80
3	600	2.61	88.17
4	800	3.48	66.13
5	1000	4.35	52.90
6	1200	5.22	44.08
7	1400	6.09	37.79
8	1600	6.96	33.06
9	1800	7.83	29.39
10	2000	8.70	26.45