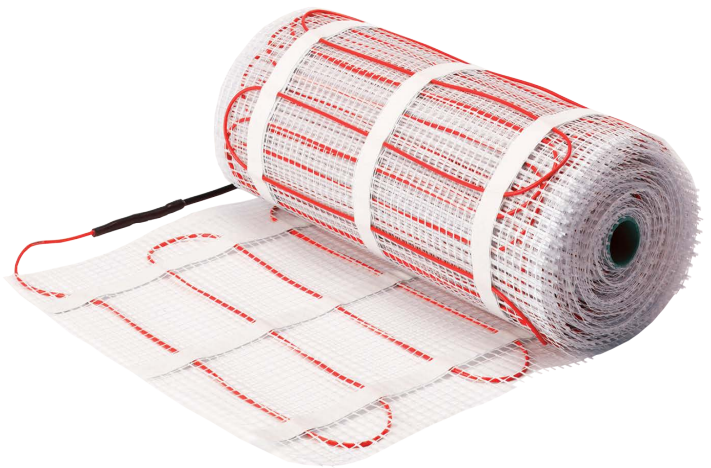
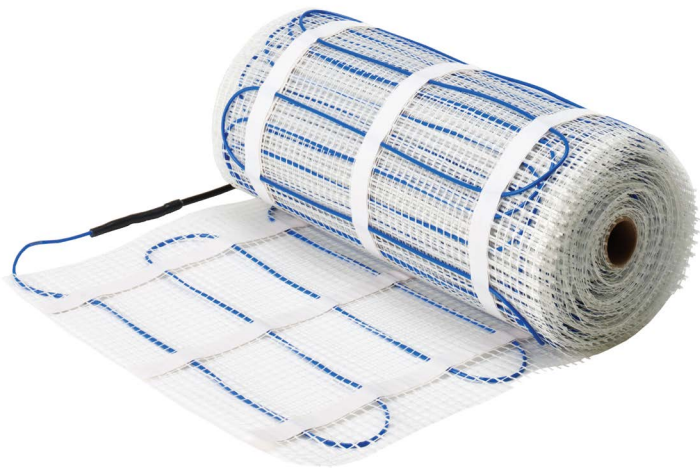


# Sunstone Underfloor Heating Mat



## Overview

The Sunstone Underfloor Heating Mat is designed for use under stone and ceramic tiles. The heating cable is fixed to a tough fibreglass mesh with an adhesive back which securely binds the mat to the subfloor.

It is the ideal solution for regular shaped rooms. The mesh (but not the wire), can be cut to fit the shape of the room.

The heating cable is a durable single strand, dual core heating cable with a 3 m coldtail.

The mat is available in 150 W/m<sup>2</sup> and 200 W/m<sup>2</sup> mats. Both will provide even heat distribution and with the 200 W/m<sup>2</sup> mat being ideal for rooms with high heat loss such as conservatories.

## Features

- 3 mm single strand, dual core and double insulated heating element.
- Sticky fibreglass mesh for extra durability and secure installation.
- Quick installation - Simply roll out mat with pre-spaced wire.
- CE and UKCA marked meeting the highest safety standards.



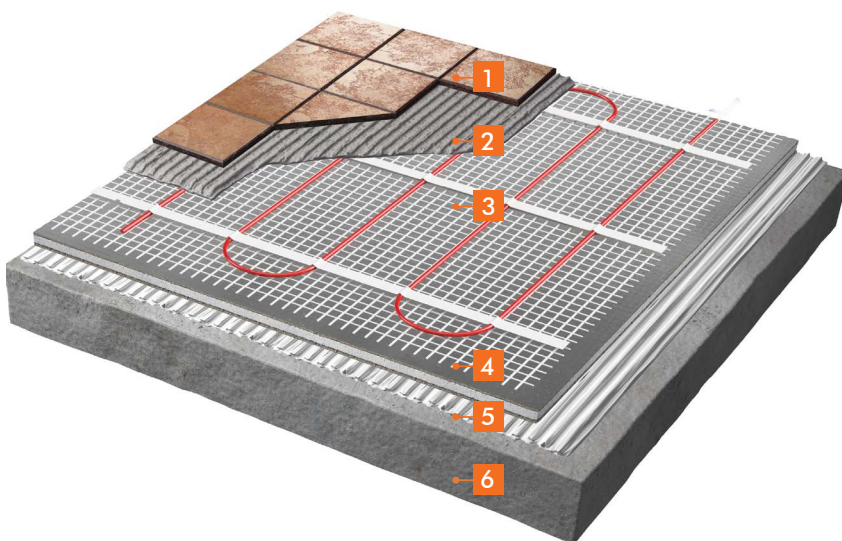
- 10 Year Warranty



# Subfloor

## Recommended Floor Construction

- 1 Floor finish
- 2 Flexible tile adhesive or levelling compound
- 3 Sunstone Mat
- 4 Sunstone Insulation Board
- 5 Flexible Tile Adhesive
- 6 Subfloor



## Technical Specifications

### TECHNCIAL SPECIFICATIONS - Sunstone Mat

OPERATING VOLTAGE	230 V AC : 50 Hz
OUTPUT RATING	150 W/m <sup>2</sup> & 200 W/m <sup>2</sup>
WIDTH	500 mm (0.5 m)
CABLE THICKNESS	3 mm
HEATING CORES	Single-strand, dual core
EARTH PROTECTION	Copper earth wire with aluminium screen
INNER INSULATION	ETFE
OUTER INSULATION	PVC
IP RATING	IPX7
MIN. INSTALLATION TEMPERATURE	- 10 °C
CONNECTION	3 m "coldtail" connection



# Mat Size Guide

## SSMAT - 150 W/m<sup>2</sup> Mat Heater

Model	Dimensions	Heated area (m <sup>2</sup> )	Power (W)	Amperage (A)	Resistance (Ω)	Resistance Band (-5% Ω +5%)
SSMat 1.0	0.5 x 2.0m	1.0	150	0.65	352.7	335.1 - 370.3
SSMat 1.5	0.5 x 3.0m	1.5	225	0.98	235.1	223.3 - 246.9
SSMat 2.0	0.5 x 4.0m	2.0	300	1.30	176.3	167.5 - 185.1
SSMat 2.5	0.5 x 5.0m	2.5	375	1.63	141.1	134.0 - 148.2
SSMat 3.0	0.5 x 6.0m	3.0	450	1.96	117.6	111.7 - 123.5
SSMat 3.5	0.5 x 7.0m	3.5	525	2.28	100.8	95.8 - 105.8
SSMat 4.0	0.5 x 8.0m	4.0	600	2.61	88.2	83.8 - 92.6
SSMat 4.5	0.5 x 9.0m	4.5	675	2.93	78.4	74.5 - 82.3
SSMat 5.0	0.5 x 10.0m	5.0	750	3.26	70.5	67.0 - 74
SSMat 6.0	0.5 x 12.0m	6.0	900	3.91	58.8	55.9 - 61.7
SSMat 7.0	0.5 x 14.0m	7.0	1050	4.57	50.4	47.9 - 52.9
SSMat 8.0	0.5 x 16.0m	8.0	1200	5.22	44.1	41.9 - 46.3
SSMat 9.0	0.5 x 18.0m	9.0	1350	5.87	39.2	37.2 - 41.2
SSMat 10.0	0.5 x 20.0m	10.0	1500	6.52	35.3	33.5 - 37.1
SSMat 12.0	0.5 x 24.0m	12.0	1800	7.83	29.4	27.9 - 30.9
SSMat 15.0	0.5 x 30.0m	15.0	2250	9.78	23.5	22.3 - 24.7

## 2-SSMAT - 150 W/m<sup>2</sup> Mat Heater

Model	Dimensions	Heated area (m <sup>2</sup> )	Power (W)	Amperage (A)	Resistance (Ω)	Resistance Band (-5% Ω +5%)
2-SSMat 1.0	0.5 x 2.0m	1.0	200	0.87	264.5	251.3 - 277.7
2-SSMat 1.5	0.5 x 3.0m	1.5	300	1.30	176.3	167.5 - 185.1
2-SSMat 2.0	0.5 x 4.0m	2.0	400	1.74	132.3	125.7 - 138.9
2-SSMat 2.5	0.5 x 5.0m	2.5	500	2.17	105.8	100.5 - 111.1
2-SSMat 3.0	0.5 x 6.0m	3.0	600	2.61	88.2	83.8 - 92.6
2-SSMat 3.5	0.5 x 7.0m	3.5	700	3.04	75.6	71.8 - 79.4
2-SSMat 4.0	0.5 x 8.0m	4.0	800	3.48	66.1	62.8 - 69.4
2-SSMat 4.5	0.5 x 9.0m	4.5	900	3.91	58.8	55.9 - 61.7
2-SSMat 5.0	0.5 x 10.0m	5.0	1000	4.35	52.9	50.3 - 55.5
2-SSMat 6.0	0.5 x 12.0m	6.0	1200	5.22	44.1	41.9 - 46.3
2-SSMat 7.0	0.5 x 14.0m	7.0	1400	6.09	37.8	35.9 - 39.7
2-SSMat 8.0	0.5 x 16.0m	8.0	1600	6.96	33.1	31.4 - 34.8
2-SSMat 9.0	0.5 x 18.0m	9.0	1800	7.83	29.4	27.9 - 30.9
2-SSMat 10.0	0.5 x 20.0m	10.0	2000	8.70	26.5	25.2 - 27.8
2-SSMat 15.0	0.5 x 30.0m	15.0	3000	13.04	17.6	16.7 - 18.5