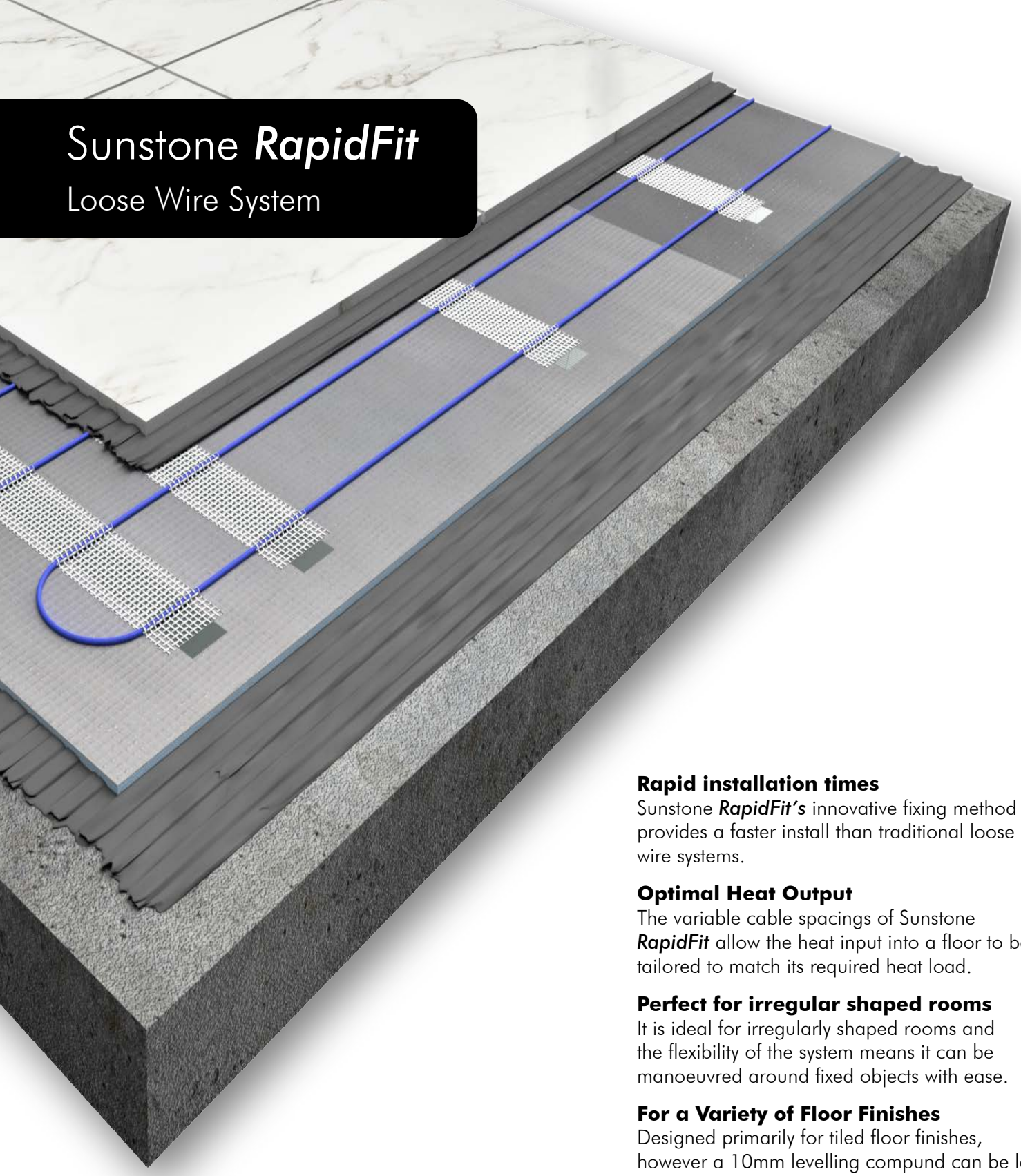
Sunstone *RapidFit*

Loose Wire System



Rapid installation times
Sunstone ***RapidFit's*** innovative fixing method provides a faster install than traditional loose wire systems.

Optimal Heat Output
The variable cable spacings of Sunstone ***RapidFit*** allow the heat input into a floor to be tailored to match its required heat load.

Perfect for irregular shaped rooms
It is ideal for irregularly shaped rooms and the flexibility of the system means it can be manoeuvred around fixed objects with ease.

For a Variety of Floor Finishes
Designed primarily for tiled floor finishes, however a 10mm levelling compund can be laid over to allow for other floor finishes.

10 Year SunStone Limited Warranty

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www.sunstone.co.uk

SunStone
electric underfloor heating

CE UK CA

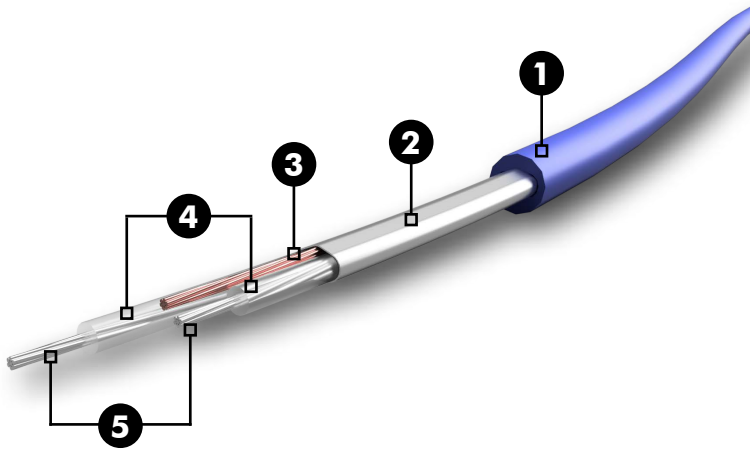
Overview

Sunstone ***RapidFit's*** innovative fixing method provides a much faster installation method than traditional loose wire systems. It comprises of an ultra tacky double-sided tape which secures the heating cable in place at the required spacing and a tough fibreglass tape which is placed over the cable which prevents the cable being snagged.

Specifically designed for use under stone and ceramic tiles, Sunstone ***RapidFit*** Loose Wire System sits within the layer of flexible tile adhesive below the tile or stone floor finish.

Alternatively, the system can be installed within a minimum 10mm layer of self-levelling compound to allow for other underfloor heating compatible floor finishes.

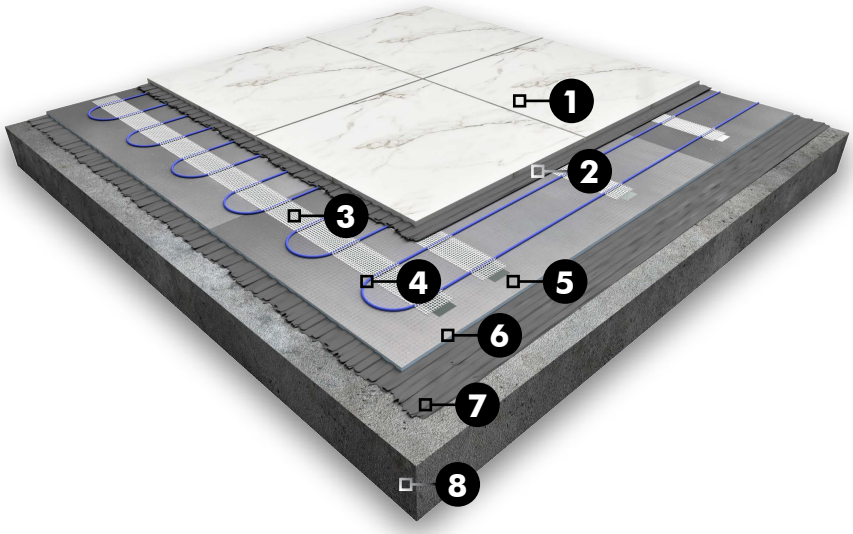
The heat output of the system can vary depending on your needs. A standard 80mm spacing between cable runs will provide 150W/m² however the spacing can be adjusted to suit your requirements between 100W/m² to 200W/m².



Cable section

1	PVC outer insulation
2	Aluminium mylar tape
3	Copper drain wire
4	ETFE inner insulation
5	Dual core, multi-strand heating element

Typical Floor Build-Ups

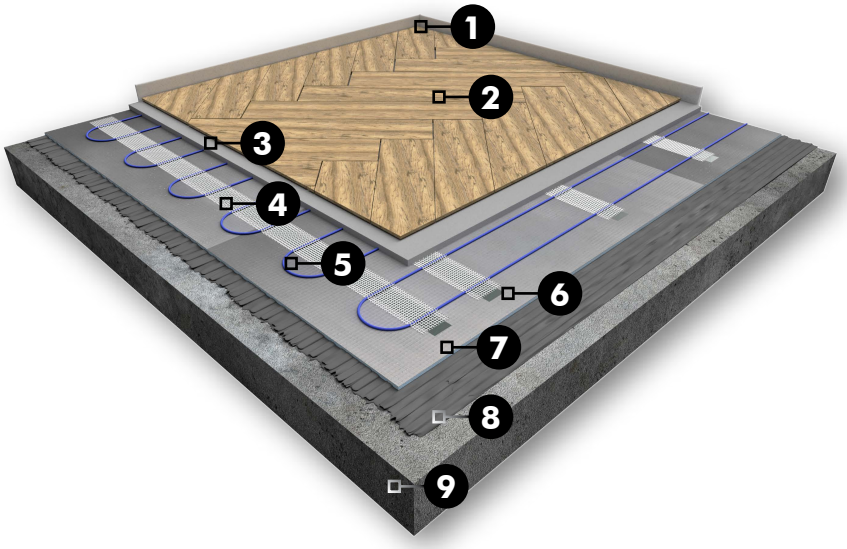


Tile Floor Finishes

1	Tile Floor finish
2	Flexible tile adhesive
3	Fibreglass tape
4	Heating cable
5	Double-sided tape
6	Insulation boards (Optional) *Helps improve response time of the system*
7	Flexible tile adhesive (Optional) Required if installing Insulation Boards
8	SR1 Pre-insulated subfloor

All Floor Finishes

1	Perimeter expansion strip *Required if self-levelling over the system*
2	Compatible floor finish
3	10 mm levelling compound
4	Fibreglass tape
5	Heating cable
6	Double-sided tape
7	Insulation boards (Optional) *Helps improve response time of the system*
8	Flexible tile adhesive (Optional) *Required if installing Insulation Boards*
9	SR1 Pre-insulated subfloor



Technical specifications

Product code	RF-X *X = Area coverage at 80mm c-c spacing*
Operating voltage	230 V AC: 50 Hz
Protection	Class II ⧈
Earth type	Functional earth ⏚ *(Aluminium mylar tape with copper drain wire)*
Connection	3.0 m coldtail (2-core & earth)
Coldtail size	2C x 0.75 mm² (Up to 6.0A)
IP rating	X7
Specific power	12W/m
Output rating	150 W/m² (80mm spacing)
Heating cores	Dual core, multi-strand heating element
Inner / Outer insulation	ETFE / PVC
Sheath colour	Blue
Cable thickness	≈3.2mm
Minimum installation temperature	-10 °C

							Heat output				
							200W/m²	≈175W/m²	**150W/m²**	≈125W/m²	100W/m²
							c/c Spacing				
							60mm	70mm	**80mm**	95mm	120mm
							Perimeter Spacing				
							80mm	85mm	**90mm**	97.5mm	110mm
Product code	**Cable length (m)**	**Power (W)**	**Current (A)**	**Total Resistance, Ω @20°C**			**Heated area (m²)**				
				Min.	**Nom.**	**Max.**					
RF-1	12.5	150	0.65	335.0	**352.7**	370.3	0.75	0.88	**1.00**	1.19	1.50
RF-2	25.0	300	1.30	167.5	**176.3**	185.2	1.50	1.75	**2.00**	2.38	3.00
RF-3	37.5	450	1.96	111.7	**117.6**	123.4	2.25	2.63	**3.00**	3.56	4.50
RF-4	50.0	600	2.61	83.8	**88.2**	92.6	3.00	3.50	**4.00**	4.75	6.00
RF-5	62.5	750	3.26	67.0	**70.5**	74.1	3.75	4.38	**5.00**	5.94	7.50

This product is an electric underfloor local space heater and, in order to be compliant with the mandatory EcoDesign requirements set out in Commission Regulation (EU) 2024/1103, needs to be complemented with a control providing at least the following control functions

A typical programmable thermostat with a 1 or 5/2 Day schedule and:	**A typical Programmable Thermostat with a 7 Day schedule and:**
• Adaptive Start	• An accuracy of better than +/-2°C
• Open Window detection	**Control function code:** TW (f8)
• An accuracy of better than +/-2°C	
Control function code: TD (f2/f4/f8)	

NOTE: Manual thermostats alone are not compliant.

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