



## ThermoSphere Screed

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### Detailed description

Heavy-duty screed heating cable for use in 40–100 mm screed layers.

### Features and benefits:

- Robust polyvinyl chloride (PVC) coating protects the TwistedTwin™ heating cable during installation and prolongs product life span.
- Perimeter insulation foam acts as a thermal break and expansion gap around the screed.
- Storage heating effect: In-screed systems have a slower heat up and cool down time and are suited to rooms that are in constant use, so heating can take place during off-peak times when low cost energy tariffs are active.
- Suitable for use as primary or secondary heating applications in insulated properties.
- Flexible cable spacing allows for variable heating output per square metre.
- Range of control options including wireless and remote (specified separately).
- Ten-year warranty.

### Applications:

Suitable for use as underfloor heating with a concrete screed with most floor finishes in new builds and renovation projects, subject to manufacturers' guidelines on maximum floor temperature.

### Product guidance - As Standard

#### Perimeter insulation foam:

Size (roll, l x w x t): 50 m x 80 x 5 mm.

### Options

#### Fixing:

##### - 8 mm staples:

- For fixing to foil-faced insulation boards only.
- Allow four staples per linear metre of cable.
- Supplied in packs of 600; tacker gun required for installation.

##### - Galvanized steel fixing profile:

- 25 m roll, can be mechanically fixed to timber or concrete substrates.
- Cable spacing in mm: Divide total heated area (m<sup>2</sup>) by cable length (linear metres) then multiply by 1000.

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- Recommended spacing: maximum: 150 mm; minimum: 50 mm.

### Heating cables:

Consult manufacturer's literature for further details (cable length, output and resistance data).

### Control:

For installations with an Economy 7 energy tariff, manufacturer recommends a manual control to switch the heating on and off in conjunction with the floor temperature sensor.

## Product specification

### Manufacturer

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<b>Product reference</b>	ThermoSphere Membrane
<b>Area</b>	[ ]
<b>Output</b>	SC-011-0200 - Output: 200 W; length: 11 m. SC-016-0300 - Output: 300 W; length: 16.5 m. SC-022-0400 - Output: 400 W; length: 22 m. SC-027-0500 - Output: 500 W; length: 27.5 m. SC-033-0600 - Output: 600 W; length: 33 m. SC-039-0700 - Output: 700 W; length: 39 m. SC-045-0850 - Output: 850 W; length: 45 m. SC-055-1000 - Output: 1000 W; length: 55 m. SC-069-1250 - Output: 1250 W; length: 69 m. SC-076-1375 - Output: 1375W; length: 76 m. SC-094-1700 - Output: 1700 W; length: 94 m. SC-116-2100 - Output: 2100 W; length: 116 m. SC-144-2600 - Output: 2600 W; length: 144 m. SC-183-3300 - Output: 3300 W; length: 183 m.
<b>Fixing</b>	8 mm plastic staples

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Galvanized steel fixing profile

**Control**

Required - To be specified separately.

Not required