ROMANO
Indoor & Outdoor Solutions

SPEC SHEET

THERMOGROUP / FLOOR AND WALL HEATING

Thermowire Undertile Heating Cable



RANGE
Thermowire
TYPE
Floor and wall heating
SIZES
14 lm for 1.0 to 1.4 m2, 22 lm for 1.5 to 2.4 m2, 33 lm for 2.5 to 3.4 m2, 44 lm for 3.5 to 4.4 m2
CONNECTION
Hardwired
CODE
101502 / 101503 / 101504 / 101506

WARRANTY (DOMESTIC USE)

Thermostats and accessories: 3 years replacement (12 months parts and labour) / Underfloor heating systems (Thermonet, Thermowire, Thermoscreed, Thermofoil, Thermoslab): Lifetime parts and labour / Thermorad in-wall

Conditions: Proof of purchase showing product code and date is needed, and the claim must fall inside the warranty period; The product must be installed correctly to the instructions and local regulations and used normally; The fault must be confirmed as a manufacturing fault or defect. Summary of the Thermogroup Warranty Information, checked 7 November 2026. Full terms from Romano or the brand.

FEATURES

- Thin cable that fits within the tile glue layer
- Can also be covered with self-levelling compound
- Suggested 150 W per m2 outside bathrooms and 200 W per m2 in bathrooms
- Lifetime warranty on the heating system

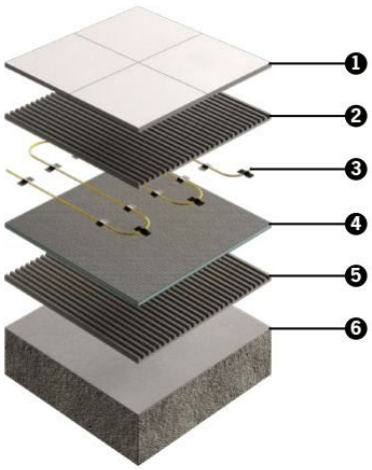
DIMENSIONS

The dimension drawing and full specifications from Thermogroup follow on the next page.

Specification Sheet **Thermowire**

Thermowire Loose Wire Heating Cable

For Installation Directly Under Tile



1. Tiled floor finish
2. Flexible tile adhesive
3. Thermowire system
4. Optional Econoboard insulation board
5. Flexible tile adhesive (if insulation is installed)
6. Prepared concrete or timber substrate

Lifetime Warranty
We are so confident of the quality of our Thermowire Underfloor Heating systems, made in the United Kingdom, that we give each system a warranty that lasts a Lifetime with 3 year warranty on our Thermostats.

Loose Wire Flexibility
Thermowire loose wire offers flexibility to fit around your room shape and fixtures and to adjust your cable spacing to achieve your desired heat output.

IP68 Protection Rating
Safe for use in bathrooms, showers and other wet room locations without any electrical hazard.

Minimal Height Build-up
The cable system is only 3.5mm thick with a low profile 4mm cold tail which can be concelead within the tile adhesive layer.



Includes: Thermowire Cable, Fixing Tape, Installation Guide & Warranty Form.

Technical Data	
Thickness	3.5mm*
Max. Temperature	28°C**
Protection Rating	IP68
Warranty	Lifetime on cable
Conductor Type	Single Ended
Cold Tail Length	5m

*Cold tail is 4mm thick

**Regulated by floor sensing thermostat

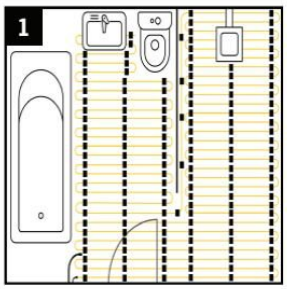
Thermogroup That little bit extra...

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www.thermogroup.com.au

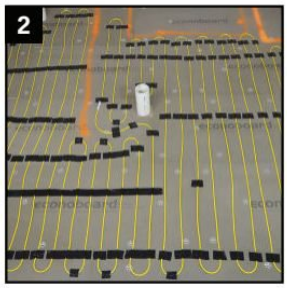
Specification Sheet **Thermowire**

Installation Overview

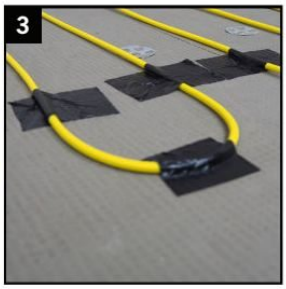
Thermowire Underfloor Heating cables are designed for installation in small, awkward areas. This overview gives a guide to the basics of the installation. Always read the instructions in full before attempting your own installation.



Plan out the installation
Determine the location of the thermostat and floor sensor, calculate the available floor space (excluding floor mounted fixtures) and calculate the required cable spacing. Check you have all the required components.



Layout the Thermowire cable
Run the heating cable back and forth throughout the room using the spacing calculated and fix in position using the tape provided. ***NEVER CUT THE YELLOW CABLE.***



Secure heating cables in place
Once all the cables are fixed into position go back and add additional strips of tape to ensure the cable is lying flat across the entire floor and the tape is tucked firmly around the heating cable with no air pockets.



Install floor finish
Take images of the installed cables before installing the floor finish. Cover the heating cables with a flexible cement based self-levelling or tile directly on top using a full bed of tile adhesive.

This is an illustrative guide only. Read the instruction manual that is supplied with the system in full before attempting installation.

How to calculate spacing of Thermowire

$$\frac{\text{Available floor space (m}^2\text{) x 100}}{\text{Cable Kit Length (m)}} = \text{Cable Spacing (cm)}$$

Average cable spacing based on 150W/m² is 9cm. Minimum cable spacing is 5cm and maximum cable spacing is 11cm.

Thermowire Heating Cable Only

Stock Code	Size (m)	Area (m²)	Output (W)	Amps (A)	Resistance Ω
101502	14	1.0 - 1.4	185	0.77	286.0
101503	22	1.5 - 2.4	300	1.25	176.0
101504	33	2.5 - 3.4	450	1.88	118.0
101506	44	3.5 - 4.4	600	2.50	88.0
101508	55	4.5 - 5.4	750	3.13	71.0
101510	66	5.5 - 6.9	900	3.75	59.0
101512	86	7.0 - 8.9	1200	5.00	44.0
101515	110	9.0 - 10.9	1500	6.25	35.0
101518	132	11.0 - 12.9	1800	7.50	29.0
101521	154	13.0 - 14.9	2100	8.75	25.0
101524	176	15.0 - 18.0	2400	10.00	22.0

Area based on approximately 150W/m² for installation directly below tiles.

Thermogroup
That little bit extra...

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www.thermogroup.com.au

Pages from Thermogroup's own specification. Ask us about this product, we're happy to help.
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