



Door Frame Heating

Product sheet

ThermaTape™ and Silicon cable - Door Frame Heating systems

V1.1 version

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Certificate No:253422016



Key features

- Each system is designed in-house to match your specific door size and heating requirements
- Two Heating Options:
 - **ThermaTape™**: ultra-slim and robust for space-limited or high-durability applications
 - **Silicone-Sheathed Wire**: flexible and versatile for varied door configurations
- The silicone-sheathed heater wires come with integrated cold tail cables which ensures seamless integration and simple installation
- Designed and manufactured in-house for maximum reliability, performance and speed of delivery
- Painted steel enclosure with integrated switch, fuse, and terminations for ease of use
- Ultra-low voltage operation reduces risks during installation and operation

Benefits

Tailored for every door type

Accommodates unique door sizes and styles for maximum efficiency and reliability

Quality assurance

Quality is assured through our ISO9001 Certification

Comprehensive in-house manufacturing

Maintains quality control and allows fast turnaround times

Fast and agile response

Small business flexibility enables quick adaptations to customer needs

Simplified installation

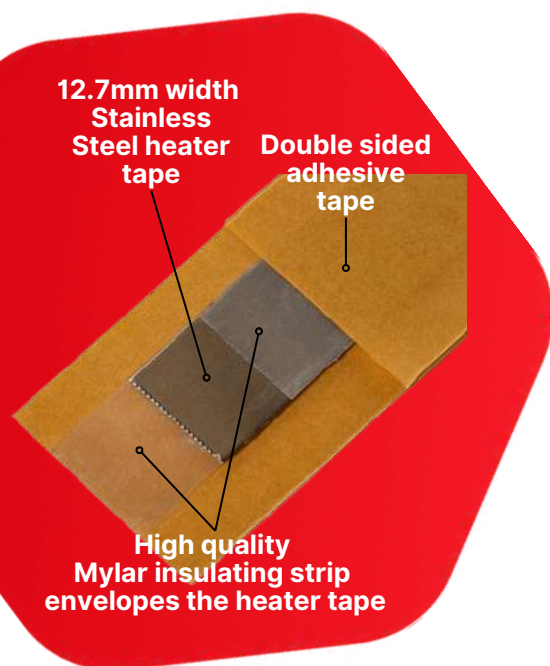
Pre-assembled components with full instructions to make installation straightforward

Energy efficient

Custom designs minimize power usage by targeting only the necessary areas

Product information

Our bespoke electric heating systems for cold store and freezer door frames are engineered to prevent condensation and ice formation, ensuring reliable door operation in demanding environments. Available in **two tailored options** — **ThermaTape™** a durable stainless steel tape or a **flexible silicone-sheathed wire** — our systems deliver ultra-low voltage heating for enhanced safety and efficiency. Each system is custom-designed to fit your specific door dimensions, shipped pre-assembled with a robust transformer housed in a painted steel enclosure for straightforward installation.

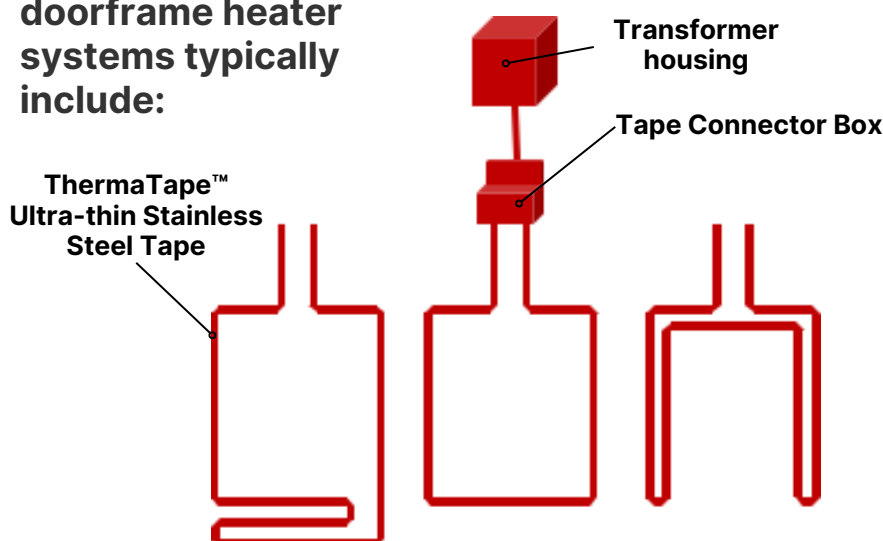


ThermaTape™ Door Heating

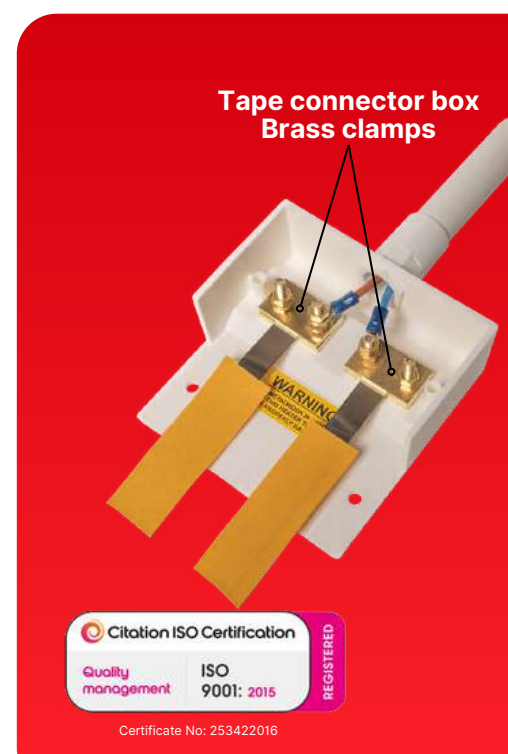
ThermaTape™ is a high-performance heating solution specifically engineered for freezer and cold store doors. This innovative system utilizes a 12.7mm wide ultra-thin stainless steel strip, encapsulated between high-quality Mylar insulation, and finished with adhesive tape on both sides for effortless installation. Designed to conform to any doorframe configuration, ThermaTape™ can be bent at right angles, ensuring adaptability for doors of all sizes.

The stainless steel tape is stripped back on site and connected to two brass clamps within a Tape Connector Box. From there, installers wire the system using suitable tri-rated cable to a custom-made Transformer housed in a Thermatek fused and switched painted steel enclosure.

The ThermaTape™ doorframe heater systems typically include:

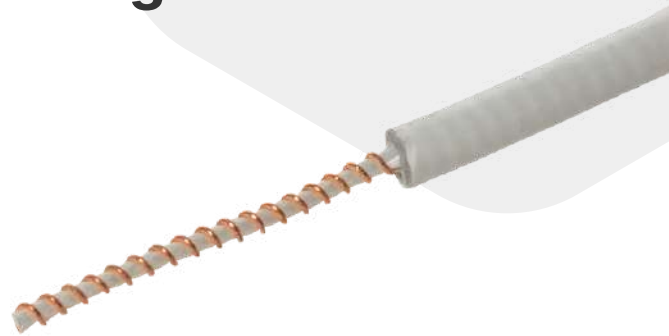


ThermaTape™ can be configured for different door styles and frames



Silicon coated wire door heating

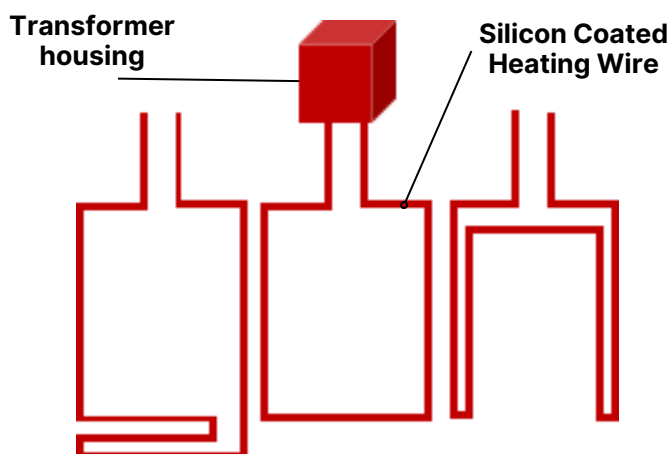
The Thermatek® silicone-coated heating wire is a versatile and durable solution for freezer and cold store doors, providing reliable prevention of ice and condensation. With a 4mm diameter, the heating wire is precision-cut to match the exact dimensions of the customer's doorframe, ensuring an efficient and tailored fit for any application.



To simplify installation, Thermatek® adds custom-length cold tails, designed to meet the specific needs of each project. These cold tails are easily wired on-site to a Thermatek™ transformer housing, completing a robust and energy-efficient heating system.

Ideal for doors with complex configurations or unique size requirements, the silicone-coated heating wire delivers dependable performance, maintaining door functionality and preventing costly disruptions in cold storage environments.

The Silicon Coated Heating Wire doorframe heater systems typically include:



Heating wire can be configured for different door styles and frames

Technical details Silicon Cable:

Ohmic value 0.57Ω/Mtr

Operating temperatures: -60 to 200C°

Produced and tested according to the EN60335 standard. Compliance with the 2014/35/EU directive

You can find all the standards we adhere to in producing our products on thermatek.co.uk/standards



Detailed design for each project

Each project is individually designed to the customer's specific needs. Design drawings are initially made and shared with the client for approval before the order is sent to our workshop for manufacture.

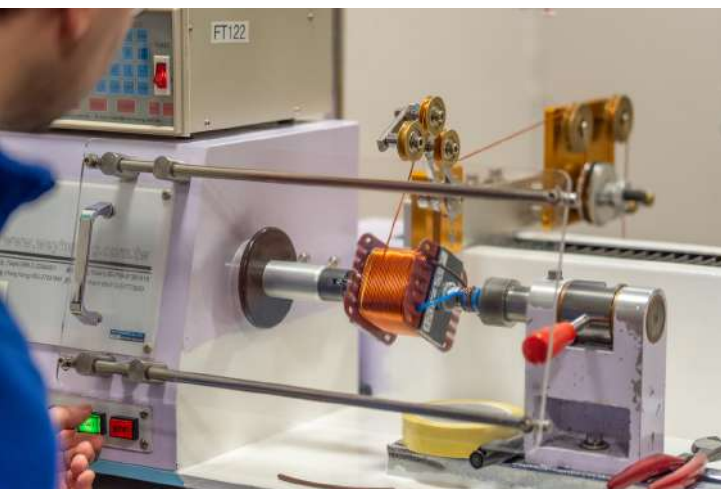
Each system is then handmade including the transformers which gives the greatest flexibility in terms of reduced operating costs and speed of manufacture ensuring Thermatek® ThermaMod™ is great value for money.

Powering the door frame heating

Each door frame heating system will include a transformer installed in a Thermatek® high quality painted steel enclosure with integral fuse and indicating isolating switch. Full electrical connection drawings and installation instructions will be supplied with each project making it simple to carry out the installation.



Transformer housing



Each transformer is specified according to the door frame size and is meticulously wound in-house. This ensures a precise match to the bespoke system design and enabling faster lead times and more importantly lower operating costs.



About us

Based in the UK, Thermatek® specialises in **bespoke frost heave and condensation prevention systems, designed and manufactured in the UK** to meet the unique demands of each client. With almost 35 years of experience, 14,000 installations and **ISO9001-certified** quality, our durable, ultra low-voltage systems are trusted by high-profile clients around the world. Our solutions offer unmatched fit-and-forget reliability ensuring cold stores run smoothly and carefree.

>14,000 projects



+2°C to -80°C



10sqM to > 9,000sqM



35 years



ISO 9001



International



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