



Electric



Water



Bathroom



Controls

# Warmup®

The world's **best-selling** floor heating brand™

*Best selling 30 year old  
company uniquely offering*



- ✓ Lifetime warranties
- ✓ 24/7/365 technical helpline
- ✓ Smartcare lifetime support
- ✓ Most efficient, smart wifi thermostats with the lowest energy usage and CO2 emissions



Get a Quote



## HIGHLIGHTS

- > New 7iE with Matter smart home connectivity
- > New Lo-16, 16mm low profile water panel system
- > Up to 36% price drop on pipe
- > No price increases from 2023 at all
- > 20% price drop on Element thermostat

0345 345 2288

[www.warmup.co.uk](http://www.warmup.co.uk)

## Why Warmup

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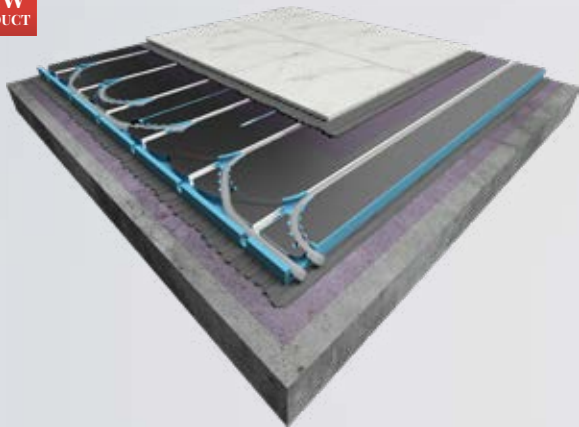
# Warmup Water Underfloor Heating Systems

## Lo-16™

**Low-Profile System**  
Exceptional performance & value  
Page 91

- ✓ High strength 500kPa XPS insulation
- ✓ Up to +19% higher heat output
- ✓ Great value for money

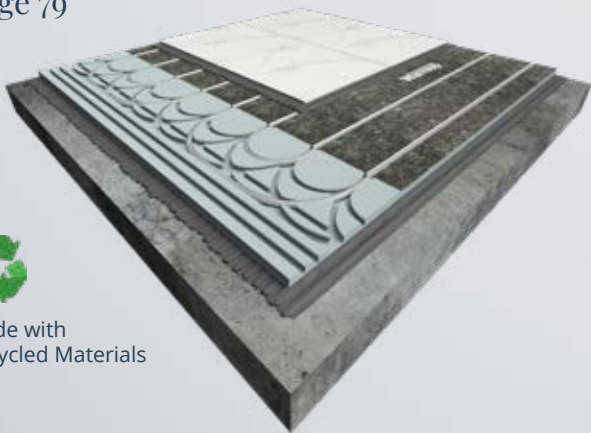
**NEW PRODUCT**



## VLo Ultra-12™

**Low Build System**  
Ideal for use with uninsulated floors  
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- ✓ 18mm build-up
- ✓ Tile directly over
- ✓ Market leading heat output

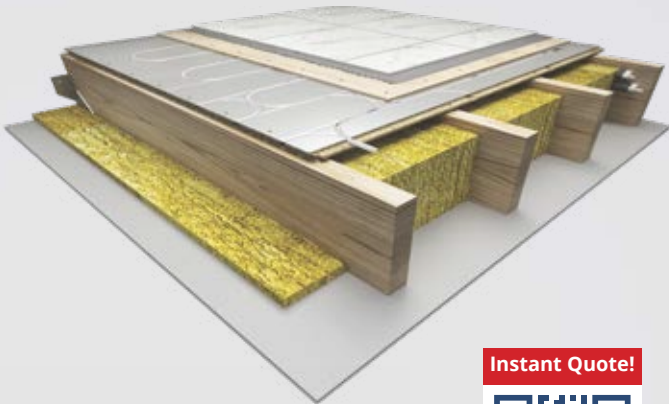


Made with Recycled Materials

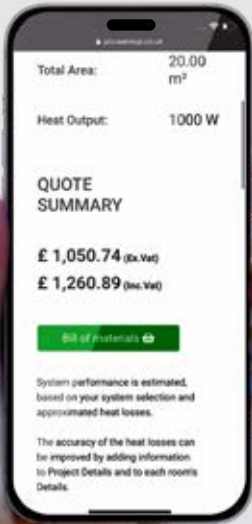
## VLo Econna-12™

**Joisted Floor System**  
Perfect to install with joisted floors  
Page 83

- ✓ Even Heat Distribution
- ✓ For Timber Suspended & Battened Floors
- ✓ Low Profile Floor Finish



**Instant Quote!**



**SAFETY Net™**  
Installation-Guarantee

If you accidentally damage the heating system during installation, return it to Warmup and we will replace it with another heater of the same make and model FREE!



Warmup® PE-RT Underfloor heating pipe  
Lifetime Warranty with Warmup® systems



More Information About Warmup  
**VLo Range** on Page 79-90

More Information About Warmup  
**Quotation tool** on Page 77-78



**NEW  
PRODUCT**

**7iE™**

### Smart Matter WiFi Thermostat

The first floor heating thermostat with effortless connectivity for Apple, Google & Amazon Smart Homes.



**£160.10**  
Excl. 20% VAT

### Benefits

1. Smarter energy savings
2. Expert heating support
3. Smart Home integration

**Element™**

### WiFi Thermostat

Energy-efficient heating control designed with simplicity and stylish functionality



**£92.00**  
Excl. 20% VAT

4. Beautiful discreet design
5. Small, simple and easy to use
6. Data Security you can trust



More Information About Warmup  
**7iE™ Smart Matter WiFi Thermostat** on Page 145

More Information About Warmup  
**Element™ WiFi Thermostat** on Page 149



The Warmup Digital Ecosystem combines the best of our expertise and services to make everything from specifying and installing, through to lifetime operation of our underfloor heating systems as easy and efficient as possible.



Warmup are the only provider of heating systems able to offer this end to end ecosystem as we uniquely develop and operate our own range of heating systems, smart controls and digital specification tools.

With Warmup, you can be confident in getting the right heating system, installed correctly, running efficiently and backed up by the UK's largest support network.

## Warmup Digital Ecosystem™

EASY: SPECIFICATION | ORDERING | DELIVERY |  
INSTALLATION | COMMISSIONING | SMARTCARE

Secure storage of digital project records and efficiency and maintenance services inside your client account

### Easy Project Specification

Our innovative quoting tools provide instant bespoke system design and optimisation and improves energy efficiency and reduces material wastage compared to standard quote tools. You can enjoy automatic heat loss estimates, a full bill of materials with exact costings and layout drawings alongside expert guidance to help you select the best system for your needs.

### Easy Ordering and Delivery

Warmup products are available from over 4,000 trusted stores across the UK. We offer 2-hour or next-day delivery to your site or preferred store or the convenience of a 30-minute order and collection service from our London Trade Counter and Showroom. We also provide order tracking and client account services for a seamless ordering process.

### Easy Installation

Warmup offer 24/7/365 live tech support via phone, email, and live chat for any installation query and Facetime video site support is available too. Our wide range of online technical support materials include installation videos for our electric and water systems. Additionally, our market-leading SafetyNet™ guarantee resolves accidental damage to a Warmup system within 24 hours.

### Easy Commissioning

We provide automatically generated bespoke commissioning logs for a rapid installation as well as full details on circuit lengths, flow rates, water temperature and thermostat settings to ensure your system performs as designed from day one, with no trial and error. You can also upload plans, photographs and videos for a free digital record.

### Smartcare

Warmup Smartcare is an enhanced customer service experience that provides real-time bespoke support for Warmup Smart heating systems. As a member, you'll have immediate access to your account records and over-the-phone support for most technical issues. You can also receive energy-saving insights to reduce energy usage by up to 25% and get access to the UK's only dedicated underfloor heating engineer network if you require on-site repair services.



# smart@care

## Your warmth, our care.

Enhanced energy savings, peace of mind, and expert support for your home's heating.

### **smart@care react**

Instant issue resolutions & performance advice.

Smartcare React is a free-to-access support service that ensures your Warmup system is always running at its optimal level. With Smartcare React, you can benefit from remote diagnostics of issues utilising data from your thermostats. Most issues, including programming and performance advice, can be resolved over the phone, ensuring swift and effective assistance.

### **smart@care efficiency+**

An upgraded service for energy savings of up to 25%.

Smartcare Efficiency+ offers you direct access to Warmup's team of experts. We'll be able to advise you on the best heat settings for your home, illustrating for instance if your heat schedule can be optimised. This expert advice can not only reduce the carbon footprint of your home, but can also help save you substantial amounts of money on your energy bills.

### **smart@care maintenance+**

Access the UK's only dedicated UFH engineer network.

Smartcare Maintenance+ provides you with 1-on-1 advice, tailor-made for your heating system. You can access our dedicated underfloor heating engineer network for rapid call-out and repair assistance in the event of any failures experienced by your thermostat or system. You can rest assured that your home's heating is wellmaintained and promptly serviced as needed.



**Warmup**

## Warmup Trade Counter

Central London's only floor heating advisory centre, warehouse and 2hr delivery service, with early opening and late closing times.

All Trade Customers will be able to purchase using their existing trade terms of their usual Warmup stockist.



### Advisory and Quote Service

Call or email for an appointment. All your key questions answered by the experts, such as:

- Electric vs Water systems
- Energy efficiency, CO2 emissions and running costs
- Most appropriate system for your project, e.g. low build or inscreed
- Layout drawings and install steps

### Super fast ordering and pick up

Call ahead, check availability and order. Collect your items in 30 minutes, grab free coffee, tea and snacks and get hands on with our latest products.

Complementary solar powered charging available for electric and hybrid vans while you wait.

### 2 hour London delivery

Check online or call us for costs and precise timings for your area.

### Early opening, late closing

7am opening and 6pm closing to suit your busy schedule.



Find out more

**704 Tudor Estate,  
Abbey Road, London  
NW10 7UW**

**0345 345 2288**

## Warmup Smartcare™

A Smart Heating Support Service from the World's Best-Selling Floor Heating Brand

**Improves your home's  
energy performance**

**Remote issue  
diagnostics and fixes**

Warmup Smartcare is a bespoke Smart heating support service exclusively designed for Warmup products, ensuring your home's heating is always running at its optimal level.

Utilising secured data received from your Warmup WiFi-connected thermostat, our team of experts can deliver remote diagnostics to help resolve most issues you may experience with your heating system. We can review your device's settings and control inputs alongside analysing your system's temperature readings and its historic behaviour to not only troubleshoot but to assist in improving your home's energy performance too.

This service guarantees a better heating experience and creates a direct line of communication between you and our dedicated Warmup Smartcare support team.



Find out more

# The Best Warranties, Installation Guarantee and Accreditations

**SAFETYNet™**  
Installation-Guarantee

If you accidentally damage a Warmup heater or pipe during installation, return it to Warmup and we will replace it with another of the same range and size **FREE!**



PE-RT & PE-Xa Systems carry a **Lifetime Warranty** for greater peace of mind.

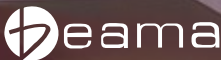


\*Visit [warmup.co.uk](http://warmup.co.uk) for details

All Warmup products comply with 18th Edition of the IET Electrical Requirements BS7671



Award Winner  
**2018**



# About Warmup®

We want to change the way people heat their homes and we believe that there is no better heating system than radiant floor heating. As the heating sector looks toward more sustainable heating innovations, our range of systems is positioned to be the future of heating.

Underfloor heating is up to 40% more efficient than traditional heating systems, allowing a cleaner, greener way to heat a home whilst providing lower running costs. Since 2019 we have helped our customers save over 270,000t\* of CO<sub>2</sub>e, compared to using traditional heating methods. From 2024 to 2028 we plan to facilitate an additional 888,000t\* of lifetime CO<sub>2</sub>e savings. This will require innovative and engaging marketing activity, alongside technical and regulatory influence to change behaviour.

We have been committed to a research and development led approach to product and system optimisation for over 30 years. As a result, we have a complete range of proprietary integrated systems and controls that are world leading and that have been sold to over 2.5 million homes. We're incredibly proud to be the system of choice for homes, hotels, churches, synagogues, mosques, yachts, hospitals, schools, government buildings, and football stadiums around the world.

Warmup.co.uk or any one of our other 72 country-specific websites around the world contain guides and tools to assist you in your specifications and deliberations.

Research and development by Warmup® has created a product design and manufacturing process that allows us to offer lifetime warranties on most of our systems for peace of mind.

\* Internal calculation based on GHG protocol methodology (category 11 – use of emissions). Assumes a lifetime of products for 25 years vs gas boiler & radiators.



Our proprietary range of smart, connected controllers work together with our market leading MyHeating™ app to deliver what our clients have asked us for...

**The right temperature  
at the lowest cost effortlessly**

We have achieved this by combining sophisticated schedule management software with an effortless user interface to attain maximum energy savings.

# Our vision is to change the way people heat their homes so that they live in the most comfortable, efficient and sustainable environments.

With more than **2.5 million systems** installed in **72 countries**, Warmup is the **world's best-selling floor heating brand**. We are a **British-based research driven company**, focusing on developing innovative heating solutions that bring energy-efficient warmth to our customers' lives. **Warmup won the Queen's Award for Enterprise for International Trade, 2020.**

The combination of Warmup's heating wires insulated with fluoropolymer, our **Element™, 7iE™ Smart Matter WiFi Thermostat™, and Tempo™ Thermostats** are patented, trademark protected, designed and owned by Warmup.

Warmup has a tradition for **quality and innovation**. Warmup is the **only underfloor heating company** whose products are UKCA marked, CE marked and accredited by more independent institutions than anyone else in the industry.



See how Warmup have transformed the home of the late Sir Stirling Moss OBE



See how Warmup have transformed the home of Snooker World Champion and World Number 1 Mark Selby



## The Environment

We're proud of our alignment with the United Nations' Race to Zero initiative, as we remain committed to taking concrete steps towards mitigating climate change and reducing our carbon footprint.

In line with the initiative's guidelines, we will be annually measuring and transparently reporting our greenhouse gas emissions. Additionally, we have set a goal to reduce our emissions by 50% by 2030, and we are resolute in our pursuit of achieving full net-zero by 2050.

Warmup operates, as far as practicable, in an environmentally sustainable manner and is working towards **Ecovadis accreditation and ISO 14001 environmental management standard conformity.**

Warmup already has clear goals, objectives, internal procedures and policies in place. These are used to manage our most significant aspects, e.g. **emissions, waste-handling, utilisation of natural resources and energy efficiencies.**

# Our Systems

## Industry Standards

### Building Regulations

#### Part E

Warmup heating systems **integrate into all common acoustic floor constructions** – screed, suspended timber or dry floating floors – and are being continuously developed to ensure compatibility with all Building Regulations.

#### Part L

Levels of insulation within a building are of key importance, as the better insulated the house, the more efficient and cost-effective the heating system will be to run. UK Building Regulations have progressively required higher insulation standards and it is easiest to achieve a high standard of insulation during building or major renovation work.

### ISO 9001

**Warmup has ISO 9001:2015 certification.** This certification confirms that Warmup operates and maintains **rigorous quality management processes, for the design, development and delivery of underfloor heating products and services to our customers throughout the world.** It ensures quality processes are followed within the business, which leads to increased productivity and efficiency in delivering solutions, as well as improving service levels and product quality to customers.



# Our Services

## Unique Online “Instant Quote” Service

Warmup's quoting tools are designed to give you a precise quote with the right product, price and sizing for your project, in less than a minute. **Should you require a more detailed quotation, you can submit your drawings or plans to [www.warmup.co.uk](http://www.warmup.co.uk)**

## 24 / 7 / 365 Technical Helpline

We are the **ONLY** underfloor heating company who offers a technical helpline 24 / 7 / 365. If you have a question or an installation problem, our experienced Technical Team are available to support you - call 0345 345 2288. We also offer online 'live' chat and a host of installation tutorials - [www.warmup.co.uk](http://www.warmup.co.uk)

## Rapid Delivery & Trade Counter

Pick up immediately from our London Trade Counter and approved stockists nationwide. Order for delivery from any of our resellers in the UK, or use our Trade Counter for 2 hour delivery in London. See website for full details.

## Quotation and Layout Service

Warmup can provide full specifications and working drawings to ensure you get the optimal solution for your project. All you need to do is email [uk@warmup.com](mailto:uk@warmup.com), use our online quote tools or fax your drawing to 0345 345 2299 and Warmup will do the rest.

## Repair Kits

Minor damage (i.e. nicking the wire with a trowel), discovered after the floor is laid, can easily be repaired on-site. **Call 0345 345 2288 to obtain an easy-to-fit repair kit, via next-day delivery.**

# Warmup® Service Engineers

Warmup is the only underfloor heating brand to provide this service. Should your customer's heating system become damaged after installation, we offer a team of experienced service engineers, who will identify and correct the damage.

Call Warmup on **0345 345 2288** to arrange an appointment.

## Running Cost Information - Electric

|       | 2m <sup>2</sup> | 4m <sup>2</sup> | 5m <sup>2</sup> | 10m <sup>2</sup> | 15m <sup>2</sup> | 25m <sup>2</sup> |
|-------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| 1 hrs | 1 p             | 3 p             | 4 p             | 8 p              | 12 p             | 20 p             |
| 2 hrs | 3 p             | 5 p             | 6 p             | 12 p             | 18 p             | 30 p             |
| 3 hrs | 3 p             | 7 p             | 8 p             | 16 p             | 24 p             | 41 p             |
| 4 hrs | 4 p             | 8 p             | 11 p            | 20 p             | 31 p             | 51 p             |
| 5 hrs | 5 p             | 10 p            | 13 p            | 24 p             | 37 p             | 62 p             |
| 6 hrs | 6 p             | 12 p            | 14 p            | 29 p             | 43 p             | 72 p             |
| 7 hrs | 7 p             | 13 p            | 16 p            | 33 p             | 49 p             | 82 p             |
| 8 hrs | 7 p             | 15 p            | 18 p            | 38 p             | 56 p             | 93 p             |

**Financial figures in UK pence based on 2024 tariffs**  
Calculated running costs for a typical Living Room meeting Part L 2002 building regulations. Electricity cost 22.4 p/kWh.

**Notice:** Any unauthorised replication of this material, including running cost data will constitute an infringement of copyright.

## How much does underfloor heating cost to heat my room?

### Running Cost - eUFH

| RUNNING TIME |                     |       |       |              |
|--------------|---------------------|-------|-------|--------------|
| Room Type    | Heated Area         | AM    | PM    | Annual cost* |
| Bathroom     | 6.0 m <sup>2</sup>  | 2 hrs | 1 hr  | £25.73       |
| Kitchen      | 10.5 m <sup>2</sup> | 1 hr  | 2 hrs | £28.87       |
| Lounge       | 17.5 m <sup>2</sup> | 0 hrs | 3 hrs | £49.13       |

\* Estimated UK energy price of 22.4 p/kWh, for typical rooms meeting Part L 2002 building regulations, using heating system for 6 months (182 days) per year.



## Pro Installer Programme

Join Warmup Pro today to become a Warmup Pro Installer.

### All you need to do is:

Sign up to Warmup Pro, complete Level 1 training (online based), attend one of our Level 2 Installation training sessions.

Verified Warmup Pro Installers get access to our quote referral programme & Super SafetyNet™.

Sign up today at  
[pro.warmup.co.uk](https://pro.warmup.co.uk)



# World Leading Research & Development

By continually investing in research and development, Warmup is able to foresee and respond to upcoming industry trends and technological developments. This guarantees you **fast access to the latest innovations when it comes to underfloor heating design, energy efficiency and CO<sub>2</sub> emission reductions.**

## Warmup Monitored Family Homes Programme

In addition to our **EN442-2 Research Centre** in Germany and the BRE's (Building Research Establishment) Dementia House in Watford, **we operate a number of Family Monitored Houses.**

This initiative grew out of the need to better predict the future energy use of houses using Warmup underfloor heating systems. Information is gathered every few minutes from many tiny sensors.

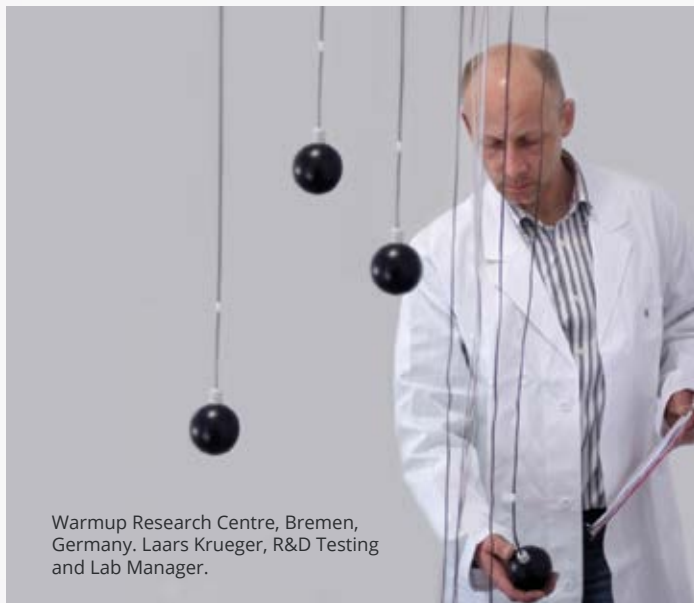
These sensors are strategically placed in each room to record air, floor, radiant, wire/water and external temperatures, along with relative humidities. They provide us with a unique, highly detailed view of the energy used for heating in real homes, by real people, to create their ideal living conditions.

We use this data, in combination with the discoveries made at our Research Centre, to improve our energy models, innovate with our product design and provide world class solutions to our customers.

The knowledge we have built up from this continuous effort allows us to **consult with the Department for Levelling Up, Housing and Communities** as they work on the Building Regulations, **support the BRE** with data for SAP.

**Importantly, for our customers** it allows us to answer questions from 'How much will it cost to run Warmup in my new house?' to 'How much will I save using Warmup UFH instead of radiators in my home?' and 'How much CO<sub>2</sub> will I save?'

**Lifetime Limited Guarantees**  
Over 30 years of research driven knowledge and experience, creating innovative new products.



Warmup Research Centre, Bremen, Germany. Laars Krueger, R&D Testing and Lab Manager.



# Benefits of Underfloor Heating

**Floor heating is the only way to create the ideal environment in a family room to balance floor and air temperature.**

**Suitable for every type of project** – New-build, refurbishments and renovations.

**Appropriate for use under a wide range of floor finishes** – Stone, tile, wood, laminate, engineered wood, carpet, and vinyl. Warmup is also fully tested and compatible for use with Karndean and Amtico.

With its low operating temperature, warmth is evenly spread across the whole room, heating from the floor upwards without cold spots or a stuffy atmosphere.

**Energy efficiency** – Underfloor heating gives the homeowner control, providing responsive highly efficient heating.

With less hot air pooling at the ceiling, rooms lose significantly less heat than they would with traditional heating systems while improving the comfort in occupied space.

**Temperature control in each zone** - Our comprehensive range of thermostats, including the **7iE™ Smart Matter WiFi Thermostat**, and the **Element™ WiFi Thermostat** allow the homeowner to choose the temperature levels they require, effortlessly controlling their heating with optimised schedules supported by smart learning features to accommodate their lifestyle.



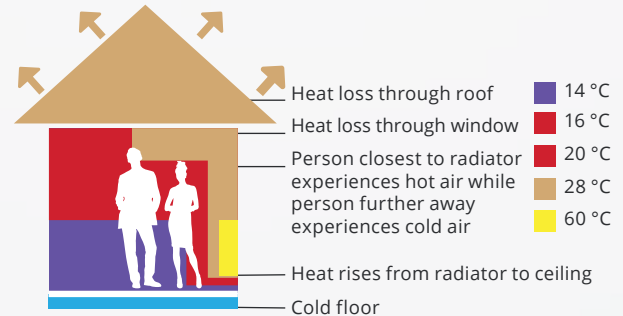
**Design freedom** - underfloor heating means no bulky radiators to take up valuable wall and floor space.

**Safety** - delivers a family-friendly and safe environment. No low level hot surfaces or hard metal edges that come with a traditional heating system, that create a potentially unsafe and dangerous environment for small children, the elderly or people at risk.

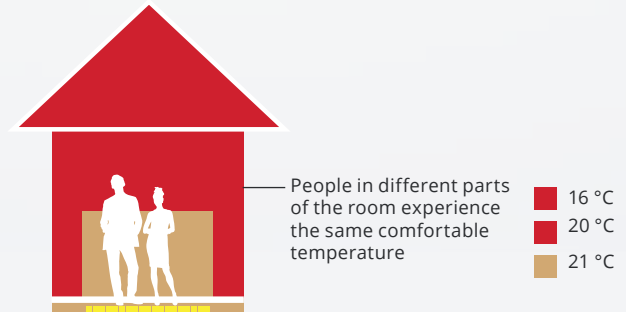
**No maintenance** - there is no maintenance required for electric underfloor heating and little to no maintenance required on our water systems.

**Water underfloor heating can be linked to most heat sources, giving total flexibility** - allowing for the best energy savings now and in the future, as new and more energy efficient heat sources become available.

## Typical Central Heating



## Warmup Radiant Floor Heating



# The Efficiency of Underfloor Heating

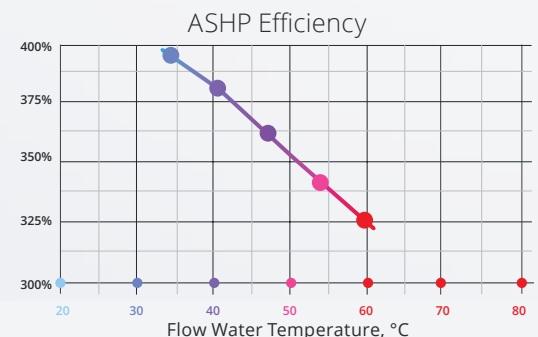
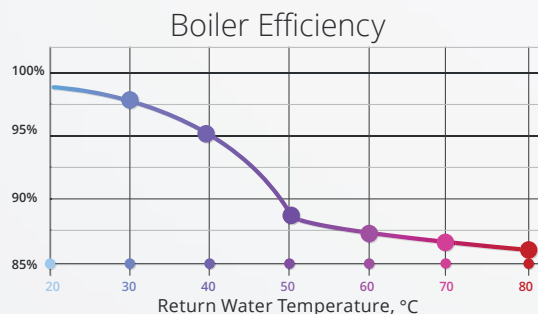
There is an additional benefit unique to hydronic underfloor heating. **Lower water temperatures are required for hydronic underfloor heating to operate as designed, which in turn allows heat sources to operate more efficiently.**

At the time of writing, the percentage of condensing boilers installed throughout the UK that actually operate with a return water temperature lower than approximately 54°C, allowing them to condense the flue gasses and recover the heat from them, is unacceptably low.

Conventional systems are typically designed to operate with a flow water temperature of 75°C and a return water temperature of 65°C, so these A-rated condensing boilers are actually operating much more like a B rated non-condensing boiler at 87% efficiency!

With underfloor heating, the return water temperature is likely to be lower than 40°C by design. Allowing the boiler to condense, boosting its efficiency to 94%, an 8% increase relative to the conventional systems.

The benefits with renewable technologies such as air source heat pumps are even more significant.



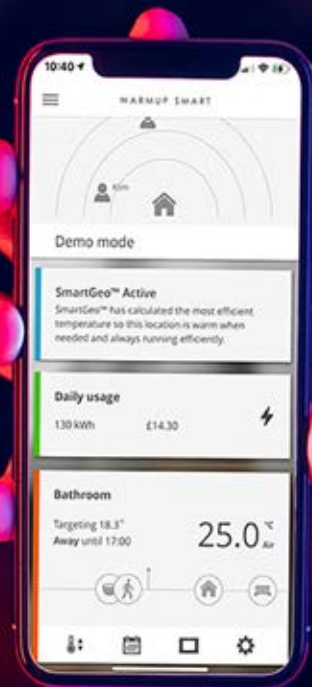
Typical heat source efficiencies by water temperature, Source: BRE – Design of Low Temperature Domestic Heating Systems

## Think

Warmup designed and manufactured market leading smart connected control devices to achieve:

- ✓ Right temperature
- ✓ Lowest energy usage
- ✓ Lowest energy tariffs

## Effortlessly



**Our systems work with others to create amazing experiences.**

Our cloud services can be connected to other smart home systems to deliver delightful and elegant interactions.



**We work with the leading building management systems used in domestic and commercial applications, along with recognised consumer brands through IFTTT.**



Scan to find out more!

# Why Warmup

We offer expert assistance in **selecting suitable systems for the floor structure and finished floor surface, while taking local and national regulations into account.**

Our range of hydronic systems provides a comprehensive selection for designing the floor heating system, **ensuring optimal heat up times, energy efficiency, and room compatibility.**

Our proprietary controls enable **seamless and effective control of the system.**

We provide an **accurate cost estimation** for the system and its installation **within two days.**

**Clear calculations of running costs** and comparisons between different types of systems are available **to allow informed decisions.**

Our **24/7/365 technical helpline** and **national engineering team** provide exceptional service levels and are always available to assist with any matters.

At Warmup, we take pride in **guaranteeing unparalleled service and support that is unique to our company.**



**Lifetime Warranty** on PE-RT pipe

**Best in Class Manifold**

**Unique low build up VLo Ultra-12**

**Pro Hydro quote tool** - automated flow and temperature settings specific to every system



**Thinnest** (1.8mm)

**Toughest** (Fluoropolymer Coating)

**Easiest** to lay wire

**BEAB & SGS FIMKO Approved**

**Lifetime Warranty**

**Unique Smart** Thermostats

**24/7/365** Technical Helpline

**Unique** DCM-Pro Installation Method

**Warmup Pro installer programme**

## Warmup Pro Installer programme

Become a Warmup Pro Hydro Installer today to access our state-of-the-art Hydro Quick Quote Spec Tool that gives you quotes in under 30 seconds, an online store to buy from, and fast delivery to site. There is even a training programme in there too.

Sign up today at  
[pro.warmup.co.uk](http://pro.warmup.co.uk)



Water Quick Quote

We want to change  
the way people heat  
their homes, through  
sustainable technology  
that helps **lower  
carbon emissions.**



Scan to find out more!

Underfloor heating is a cleaner, smarter way to heat a home. It is estimated that 17.5% of global CO<sub>2</sub> emissions are from energy use in buildings so we must work together to reduce this impact on our environment. Warmup's research led approach to design has resulted in unrivalled heating systems that provide an energy-efficient heating solution for homes around the world, to give a combined reduction of 170,000 t CO<sub>2</sub> by 2025.

Floor heaters utilise radiant heat technology to warm a room from the ground up, directly heating the people the furniture within it - this process is up to **40% more efficient than traditional heating methods.** Utilising Warmup heating solutions throughout your home could help you save over 2000kg of CO<sub>2</sub> per year, equivalent to swapping to an electric car, and you can significantly reduce the cost of your energy bills.

**Warmup has a full range of solutions to lower CO<sub>2</sub> emissions. For example:**

Replace your central heating controls with Warmup Smart Controls to save 421kgCO<sub>2</sub> per year (17% reduction)

Upgrade your kitchen and bathroom to Warmup Electric floor heating with smart controls to save 885kgCO<sub>2</sub> per year (35% reduction)

Transform your home with a full Warmup Water floor heating system with a heat pump to save 2067kgCO<sub>2</sub> per year (82% reduction). Combine with a renewable energy source such as solar for a zero-carbon home heating system.

Based on typical 100m<sup>2</sup> home meeting Part L 2002 building regulations and 2023 GHG Protocol emission factors.

# System Summary Guide

Whatever the floor finish or subfloor construction, Warmup has the right underfloor heating solution to match your specific needs. Use the table below to find out which products best suit your floor type. Contact us on **0345 345 2288** should you require further information.

| Flooring Type | Warmup Electric Products |              |                        |                        |                 |              | Warmup Hydronic Products |
|---------------|--------------------------|--------------|------------------------|------------------------|-----------------|--------------|--------------------------|
|               | *DCM-PRO™                | *Loose Wire™ | *StickyMat™<br>200W/m² | *StickyMat™<br>150W/m² | InScreed Cable™ | Foil Heater™ |                          |
| Page No.      | 25                       | 37           | 33                     | 33                     | 41              | 45           | 71                       |
| Tile & Stone  | ✓                        | ✓            | ✓                      | ✓                      | ✓               |              | ✓                        |
| Hardwood      | ✓                        | ✓            | ✓                      | ✓                      | ✓               | ✓            | ✓                        |
| Laminate      | ✓                        | ✓            | ✓                      | ✓                      | ✓               | ✓            | ✓                        |
| Carpet        | ✓                        | ✓            | ✓                      | ✓                      | ✓               | ✓            | ✓                        |
| Vinyl         | ✓                        | ✓            | ✓                      | ✓                      | ✓               | ✓            | ✓                        |

\*Compatible with Hardwood, Laminate, Carpet, Vinyl only when covered with a minimum of 10mm self levelling compound.



Warmup is fully tested and compatible for use with wood floors and vinyl including leading brands like:



# S3 Manifold

The Warmup S3 Manifold provides regulation for up to twelve underfloor heating circuits with an optional mixing unit available to provide advanced water temperature control.



Say goodbye to cold feet and hello to warm floors with underfloor heating!

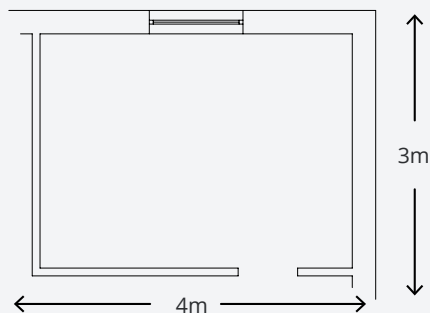
# 4 Easy Steps to Calculate your UFH Requirements for Electric Systems

To calculate the eUFH heater size that you require for your room(s), you need to determine the heatable floor area. This is the total floor area less the area taken up by any fixed objects or furniture with enclosed bases, i.e. kitchen units, a bath etc. You should only heat areas of the floor you can walk on.

When installing the heating you should leave at least a 50mm space between the heater and the walls or fixed objects, so the heater you select may only be 80 – 90% the size of the exposed floor area.

## Step 1

Measure your room

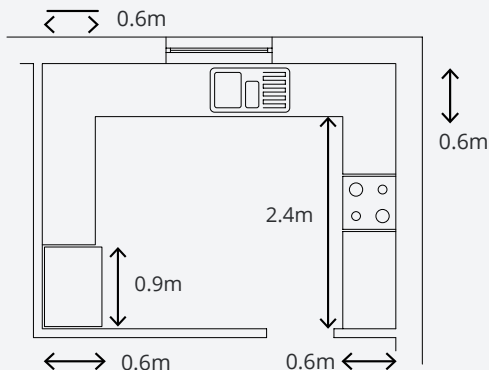


## Work out the total floor area.

If the overall room is rectangular in shape and 4m by 3m, all you need to do is multiply both numbers;  $4\text{m} \times 3\text{m} = 12\text{m}^2$

## Step 2

Measure your fixings



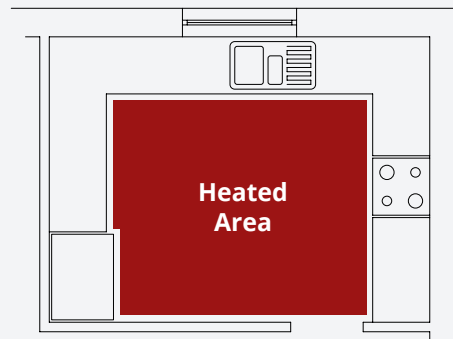
## Work out the unheatable floor area.

In the example layout shown, the floor space is taken up by fixed objects is;

1. Kitchen units;  $(4.0\text{m} \times 0.6\text{m}) + (2.4\text{m} \times 0.6\text{m}) + (1.5\text{m} \times 0.6\text{m}) = 4.7\text{m}^2$
2. Fridge Freezer;  $0.9\text{m} \times 0.7\text{m} = 0.6\text{m}^2$
3. 50mm Unheated perimeter; "approximately"  $(2.8\text{m} + 2.4\text{m} + 2.8\text{m} + 2.4\text{m}) \times 0.05\text{m} = 0.5\text{m}^2$
4. Unheatable area;  $4.7\text{m}^2 + 0.6\text{m}^2 + 0.5\text{m}^2 = 5.8\text{m}^2$

## Step 3

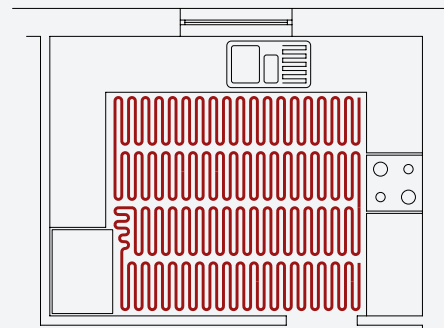
Determine the heatable floor area



Take your total floor area (from Step 1) and remove the unheatable floor area (from Step 2). In the example layout shown, this is;  $12.0\text{m}^2 - 5.8\text{m}^2 = 6.2\text{m}^2$

## Step 4

Select your heater size



You cannot cut your heater to size during installation, it MUST all fit within the heatable floor area, so select the biggest heater that will fill but not exceed the heatable floor area.

In this example, a sensible size heater would be  $6\text{m}^2$ .



If unsure send us your plans /measurements

# Electric Underfloor Heating

A cleaner, more energy-efficient way to heat a home. Warmup's range of high-quality, cost-saving electric systems utilise ultra-thin heating cables or mats installed beneath your floor finish to gently conduct warmth throughout the space. These systems offer a quick and hassle-free installation and their low-profile design make them ideal for renovation projects.



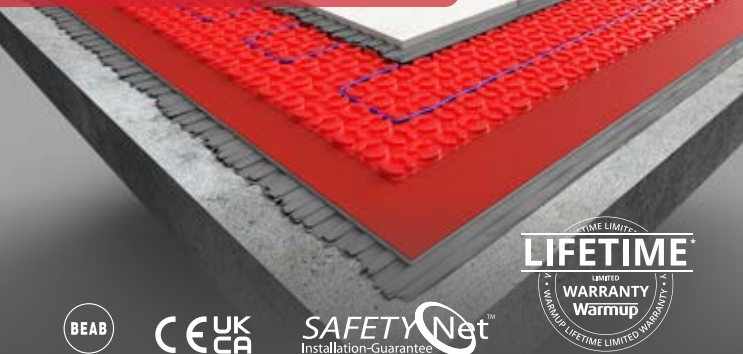
Scan to  
find out  
more!

**NOTE:** All electrical connections must be performed by a qualified and competent electrician.



# DCM-PRO™

## Heated Decoupling System



## Overview

Warmup DCM-PRO™ is an electric underfloor heating system that provides anti-fracture protection to tiled floor finishes. There are two alternative decoupling membranes within the range; one is backed with a standard non-woven fleece, the other a peel and stick adhesive, which provides the fastest solution for installing electric underfloor heating.

The patented membranes provide a versatile solution for any heated floor, with the peel and stick version being ideal for rapid installation over Warmup™ insulation or smooth subfloors, while the fleece backed version is better suited to coarse and/or damp surfaces.

### ✓ Anti-Fracture Protection

DCM-PRO™ Peel and Stick uses a viscous adhesive that absorbs the strain created as the subfloor grows and shrinks with the seasons, protecting the floor finish from excessive stress that would otherwise cause cracks.

DCM-PRO™ Fleece uses a traditional decoupling fleece layer, perfect for use with levellers or for installation on damp or coarse subfloors.

### ✓ For a Variety of Floor Finishes

Designed for use under tile and stone floor, the DCM-PRO™ can also be installed under other flooring types including vinyl, carpet and timber by adding a 10 mm layer of levelling compound to the membrane first.

### ✓ Fastest to Install

DCM-PRO™ Peel and Stick with it's self-adhesive underside can be affixed directly to the subfloor, eliminating the need to use tile adhesive below, significantly reducing installation time.

## Protects Floor from Damage

**Rated as high performance, DCM-PRO is proven to protect tiled floors from cracking (ANSI 118.12.5.4).**

The self-healing decoupling layer contracts and expands to deal with seasonal changes, preventing damage occurring from gaps and cracks in the subfloor. (Patent No. GB2548319B)

Protects floor surface from damage caused by subfloor movement.



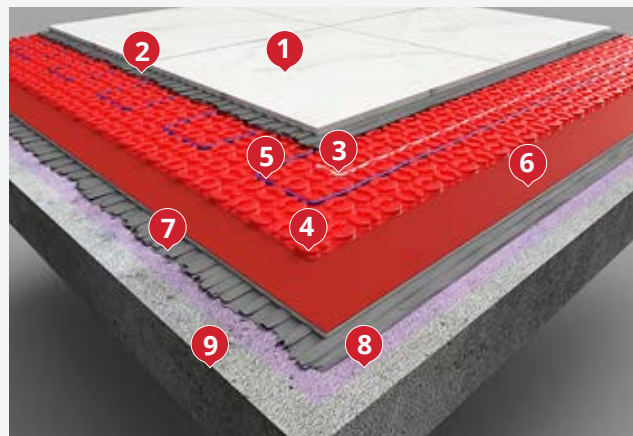
Patented adhesive layer slides and stretches with expansion.



Adhesive layer contracts and self-heals if gap shrinks due to seasonal changes (typical for wood subfloors).



## Typical Floor Build-Up



- 1 **Floor Finish**
- 2 **Flexible Adhesive**
- 3 **Floor Sensor**
- 4 **Decoupling Membrane (with adhesive backing)**  
*Apply pressure to the membrane to ensure a secure bond to the subfloor*
- 5 **Heating Cable**  
*DO NOT cut at any stage!*
- 6 **Warmup Ultralight™ (optional)**  
*Adding Warmup Ultralight™ below DCM-PRO™ can help improve the response time of the system, particularly when installing over screed or concrete*
- 7 **Flexible Tile Adhesive (optional)**  
*Required if installing Warmup Ultralight™*
- 8 **Warmup Primer**  
*Refer to tile adhesive manufacturers instructions for priming requirements*
- 9 **Pre-insulated Subfloor (with a surface regularity of SR1\*)**

\* If installing the optional Warmup Ultralight™, refer to its installation manual for its sub floor requirements

Technical Specification

| DCM-PRO™ Mat |                                                                                       | Available until Summer 2023 |                                              |
|--------------|---------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------|
| Product Code | DCM-M-#<br>(Peel and Stick)                                                           | Colour                      | Red                                          |
| Dimensions   | DCM-M-1<br>1m² Sheet<br>980mm x 1,040mm<br><br>DCM-M-15<br>15m² Roll<br>980mm x 15.3m | Composition                 | Polypropylene mat with self-adhesive backing |

| DCM-PRO™ Mat V3 |                                                                                           | Available Summer 2023 |                                                         |
|-----------------|-------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------|
| Product Code    | DCM-PS-#<br>(Peel and Stick)<br><br>DCM-F-#<br>(Fleece)                                   | Colour                | Red                                                     |
| Dimensions      | DCM-#-0.73<br>0.73m² Sheet<br>985mm x 741mm<br><br>DCM-#-14<br>14m² Roll<br>985mm x 14.3m | Composition           | Polypropylene mat with Peel and Stick or Fleece backing |

| Warmup DCM-PRO™ Cables |                                                                   |                          |                                                       |
|------------------------|-------------------------------------------------------------------|--------------------------|-------------------------------------------------------|
| Product Code           | DCM-C-X<br>(DCM-PRO™)<br><br>DCM-C-LW-X (DCM-PRO™ Low Wattage)    | Cable Sheath             | Blue<br>(DCM-PRO™)<br>Green<br>(DCM-PRO™ Low Wattage) |
| Connection             | 3.0 m long coldtail<br>Flat 2 core cable with earth braid         | IP Rating                | X7                                                    |
| Operating Voltage      | 230 V AC: 50 Hz                                                   | Inner / Outer Insulation | ETFE / PVC                                            |
| Output Rating          | (3 castellations - 90 mm)<br>DCM-C: 150 W/m²<br>DCM-C-LW: 55 W/m² | Earth Protection         | Metal braiding surrounding heating cores              |
| Heating Cores          | Dual core, multi-strand heating element                           | Min. Install Temp        | -10 °C                                                |
| ASTM C627              | Light Commercial Use                                              | Spacing                  | 60 mm / 90 mm / 120mm                                 |

Convenient Sizing

The standard cable spacing is 3 castellations (90mm), but the system is designed to have the cable spacing adjusted to match both power and area requirements:

- DCM-PRO™ 225 W/m² - based on 2 castellations
  - DCM-PRO™ 150 W/m² - based on 3 castellations (standard)
  - DCM-PRO™ 112.5 W/m² - based on 4 castellations
- DCM-PRO™ LW 82.5 W/m² - based on 2 castellations
  - DCM-PRO™ LW 55 W/m² - based on 3 castellations (standard)
  - DCM-PRO™ LW 41.3 W/m² - based on 4 castellations

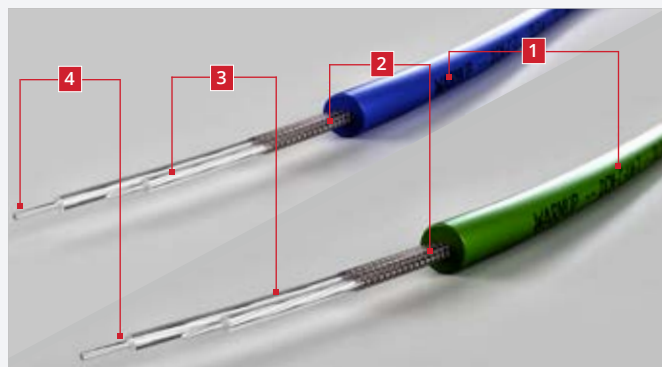
DCM-PRO™ Price Guide

| Standard Cable | Heated area at different spacings, m² |          |            | Price<br>(Excl. 20% VAT) |
|----------------|---------------------------------------|----------|------------|--------------------------|
|                | Castellations                         |          |            |                          |
|                | 2                                     | 3        | 4          |                          |
| Product Code   | 60mm                                  | 90mm*    | 120mm      |                          |
|                | 225 W/m²                              | 150 W/m² | 112.5 W/m² |                          |
| DCM-C-1        | 0.7                                   | 1.0      | 1.3        | £104.87                  |
| DCM-C-1.5      | 1.0                                   | 1.5      | 2.0        | £114.63                  |
| DCM-C-2        | 1.3                                   | 2.0      | 2.7        | £137.74                  |
| DCM-C-2.5      | 1.7                                   | 2.5      | 3.3        | £155.52                  |
| DCM-C-3        | 2.0                                   | 3.0      | 4.0        | £174.18                  |
| DCM-C-3.5      | 2.3                                   | 3.5      | 4.7        | £196.39                  |
| DCM-C-4        | 2.7                                   | 4.0      | 5.3        | £219.50                  |
| DCM-C-4.5      | 3.0                                   | 4.5      | 6.0        | £242.60                  |
| DCM-C-5        | 3.3                                   | 5.0      | 6.7        | £274.59                  |
| DCM-C-6        | 4.0                                   | 6.0      | 8.0        | £302.14                  |
| DCM-C-7        | 4.7                                   | 7.0      | 9.3        | £338.58                  |
| DCM-C-8        | 5.3                                   | 8.0      | 10.7       | £375.01                  |
| DCM-C-9        | 6.0                                   | 9.0      | 12.0       | £421.22                  |
| DCM-C-10       | 6.7                                   | 10.0     | 13.3       | £470.99                  |
| DCM-C-12       | 8.0                                   | 12.0     | 16.0       | £530.53                  |
| DCM-C-14       | 9.3                                   | 14.0     | 18.7       | £604.30                  |
| DCM-C-16       | 10.7                                  | 16.0     | 21.3       | £686.94                  |

\* Standard spacing

| Low Wattage Cable | Heated area at different spacings, m² |         |           | Price<br>(Excl. 20% VAT) |
|-------------------|---------------------------------------|---------|-----------|--------------------------|
|                   | Castellations                         |         |           |                          |
|                   | 2                                     | 3       | 4         |                          |
| Product Code      | 60mm                                  | 90mm*   | 120mm     |                          |
|                   | 82.5 W/m²                             | 55 W/m² | 41.3 W/m² |                          |
| DCM-C-LW-1        | 0.7                                   | 1.0     | 1.3       | £104.87                  |
| DCM-C-LW-1.5      | 1.0                                   | 1.5     | 2.0       | £114.63                  |
| DCM-C-LW-2        | 1.3                                   | 2.0     | 2.7       | £137.74                  |
| DCM-C-LW-2.5      | 1.7                                   | 2.5     | 3.3       | £155.52                  |
| DCM-C-LW-3        | 2.0                                   | 3.0     | 4.0       | £174.18                  |
| DCM-C-LW-3.5      | 2.3                                   | 3.5     | 4.7       | £196.39                  |
| DCM-C-LW-4        | 2.7                                   | 4.0     | 5.3       | £219.50                  |
| DCM-C-LW-4.5      | 3.0                                   | 4.5     | 5.8       | £242.60                  |
| DCM-C-LW-5        | 3.3                                   | 5.0     | 7.0       | £274.59                  |
| DCM-C-LW-6        | 4.0                                   | 6.0     | 8.2       | £302.14                  |
| DCM-C-LW-7        | 4.7                                   | 7.0     | 9.3       | £338.58                  |
| DCM-C-LW-8        | 5.3                                   | 8.0     | 10.7      | £375.01                  |
| DCM-C-LW-9        | 6.0                                   | 9.0     | 12.0      | £421.22                  |
| DCM-C-LW-10       | 6.7                                   | 10.0    | 13.3      | £470.99                  |
| DCM-C-LW-12       | 8.0                                   | 12.0    | 16.0      | £530.53                  |
| DCM-C-LW-14       | 9.3                                   | 14.0    | 18.7      | £604.30                  |
| DCM-C-LW-16       | 10.7                                  | 16.0    | 21.3      | £686.94                  |

## Cable section



|   |                                          |
|---|------------------------------------------|
| 1 | PVC outer insulation                     |
| 2 | Earth braiding surrounding heating cores |
| 3 | ETFE inner insulation                    |
| 4 | Dual core, multi-strand heating element  |

## DCM-PRO™ Mat Price Guide

Available until Summer 2023

| Product Code | Format                                                  | Length (mm) | Width (mm) | Price (Excl. 20% VAT) |
|--------------|---------------------------------------------------------|-------------|------------|-----------------------|
| DCM-M-1      | DCM-PRO Peel & Stick Mat - 1m <sup>2</sup> <b>Sheet</b> | 1,040       | 980        | £20.62                |
| DCM-M-15     | DCM-PRO Peel & Stick Mat - 15m <sup>2</sup> <b>Roll</b> | 15,313      | 980        | £295.96               |

## DCM-PRO™ Mat V3 Price Guide

Available Summer 2023

| Product Code | Format                                                        | Length (mm) | Width (mm) | Price (Excl. 20% VAT) |
|--------------|---------------------------------------------------------------|-------------|------------|-----------------------|
| DCM-PS-0.73  | DCM-PRO Peel & Stick V3 Mat - 0.73m <sup>2</sup> <b>Sheet</b> | 741         | 985        | £15.05                |
| DCM-PS-14    | DCM-PRO Peel & Stick V3 Mat - 14m <sup>2</sup> <b>Roll</b>    | 14,252      | 985        | £276.23               |
| DCM-F-0.73   | DCM-PRO Fleece V3 Mat - 0.73m <sup>2</sup> <b>Sheet</b>       | 741         | 985        | £12.79                |
| DCM-F-14     | DCM-PRO Fleece V3 Mat - 14m <sup>2</sup> <b>Roll</b>          | 14,252      | 985        | £234.79               |

## DCM-PRO™ Accessories Price Guide

| Product Code | Description        | Length (varies) | Height (mm) | Width (mm) | Thickness (mm) | Price (Excl. 20% VAT) |
|--------------|--------------------|-----------------|-------------|------------|----------------|-----------------------|
| DCM-E-25     | Perimeter Strip    | 25m             | -           | 30         | 10             | £24.55                |
| DCM-T-10     | Waterproofing Tape | 10m             | -           | 120        | 1              | £29.47                |
| DCM-R-I      | Internal Corner    | 120mm           | 60          | 120        | 1              | £6.84                 |
| DCM-R-E      | External Corner    | 120mm           | 60          | 120        | 1              | £6.84                 |

## Frequently Asked Questions

### Can the DCM-PRO™ system reduce the risk of my tiled floor developing cracks?

As a decoupling system, the DCM-PRO™ has been designed to absorb the normal lateral movement which occurs when the subfloor and finished floor expand and contract at different rates. This has been backed up with a **'High Performance' rating for crack isolation, as externally tested according to ANSI 118.12.5.4** (American National Standards Institute, [www.ansi.org](http://www.ansi.org)).

## How does the DCM-PRO™ cable fit into the DCM-PRO™ mat?

The DCM-PRO™ cable clips into the castellations of the DCM-PRO™ mat. No tools are required when installing the cable into the mat. It is easily installed by running your foot or thumb along the top of the cable to guide it into the castellations.

## How quickly can I lay a floor finish onto the DCM-PRO™?

Straight away. One of the main advantages of the self-adhesive properties of the DCM-PRO™ is no waiting time. As soon as the mat is fitted, cable installed and cable resistance checked, tiling or self-levelling can be started.

## Can the DCM-PRO™ system be used in a wet room?

Yes. With the addition of the DCM-PRO™ waterproofing tape installed following the manual, the system is waterproof and can be used in a full wet room environment.

## When should I use **Standard Wattage** vs **Low Wattage DCM**?

If unsure of your specific heat losses, we recommend the standard **DCM-PRO™** at its standard power of 150W/m<sup>2</sup>.

If installing **DCM-PRO™** directly onto a screed floor without using insulation, use **DCM-PRO™** at its highest power of 225W/m<sup>2</sup>, this is because the screed will take longer to warm up.

If specific heat losses are known, we recommend adding 25W/m<sup>2</sup> and selecting the closest system power from our **DCM-PRO™** or **DCM-PRO™ Low Wattage** range that exceeds this value. Typically, a 55W/m<sup>2</sup> system is sufficient to heat most rooms in new homes and reduces the electrical load compared to a traditional 150W/m<sup>2</sup> system.

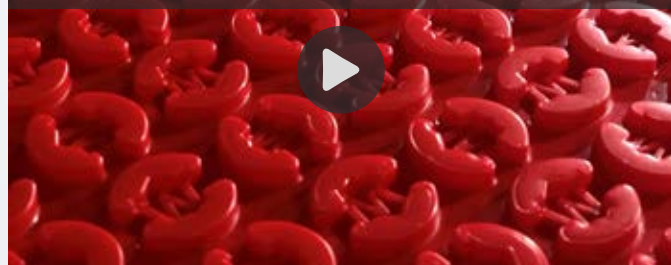
## When should I use **Peel and Stick** vs **Fleece-backed DCM**?

DCM-PRO™ offers a choice of two membrane options: the Peel-and-Stick membrane features a self-adhesive backing for 40% faster installation times than standard floor heating membranes whilst the fleece-backed membrane has been designed to use with traditional adhesives on damp or coarse subfloors.

Installation video for Warmup DCM-PRO™ System. Always refer to the installation manual prior to commencing your project.



Scan to find out more!



## DCM-PRO™ Low Wattage System: A Solution for Low Load Homes and Zero Carbon Heating with Solar Arrays.

With a lower electrical load, a property with Solar PV system, with or without a Battery, will be able to provide 100% of the load more often, enabling the property to be heated entirely by zero carbon electricity produced on-site.



**NOTE:** All electrical connections must be performed by a qualified and competent electrician.

# StickyMat™ Heated Mat System

Suitable for all projects;  
new-build, retrofits and  
refurbishments.



## Overview

The Warmup StickyMat™ System is designed for use within the adhesive layer under tiles or within a levelling compound under other floor finishes. The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy whilst ensuring precision is maintained.

The pressure sensitive adhesive securely binds the mats to the floor, keeping them flat and ensuring the application of tile adhesive is snag free whilst allowing the mats to be easily repositioned as needed.

### Quick & Easy Installation

Sturdy glass fibre mesh with pressure sensitive adhesive, for the fastest and most secure installation of electric underfloor heating.

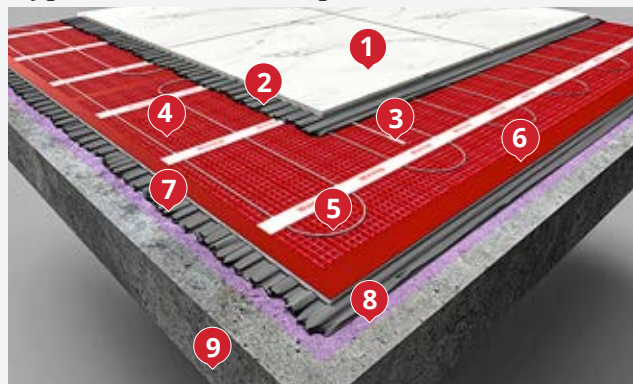
### No Increase In Floor Levels

With an ultra-thin, dual fluoropolymer coated heating wire.

### Suitable For All Builds

StickyMat™ underfloor heating system is suitable for all building projects; retrofits, new builds and refurbishments.

## Typical Floor Build-Up



- 1 Floor Finish**
- 2 Flexible Adhesive**
- 3 Floor Sensor**  
*Tab tape the sensor to the subfloor. Do not tape over the sensor tip!*
- 4 Fibreglass Mesh (with pressure sensitive adhesive)**  
*Apply pressure to the mesh to ensure a secure bond to the subfloor*
- 5 Heating Cable**  
*DO NOT cut at any stage!*
- Warmup Ultralight™ (optional)**
- 6 Adding Warmup Ultralight™ can help improve the response time of the system, particularly when installing over screed or concrete**
- 7 Flexible Tile Adhesive (optional)**  
*Required if installing Warmup Ultralight™*
- 8 Warmup Primer**  
*Refer to tile adhesive manufacturers instructions for priming requirements*
- 9 Pre-insulated Subfloor (with a surface regularity of SR1\*)**

\* If installing the optional Warmup Ultralight™, refer to its installation manual for its sub floor requirements.

## Technical Specification

| Warmup StickyMat™ |                                                        |                          |                                           |
|-------------------|--------------------------------------------------------|--------------------------|-------------------------------------------|
| Product Code      | SPM / 2SPM                                             | Cable Sheath             | Translucent                               |
|                   |                                                        | Cable Spacing            | 80 mm (+/- 3mm)                           |
| Connection        | 3.0 m long coldtail Flat 2 core cable with earth braid | Mesh                     | Sticky pressure sensitive fibreglass mesh |
| Operating Voltage | 230 V AC: 50 Hz                                        | Inner / Outer Insulation | ETFE                                      |
| Output Rating     | 150 W/m² (SPM) / 200 W/m² (2SPM)                       | Earth Protection         | Metal braiding surrounding heating cores  |
| Heating Cores     | Dual core, multi-strand heating element                | Min. Install Temp        | -10 °C                                    |
| IP Rating         | X7                                                     |                          |                                           |

# StickyMat™ Price Guide

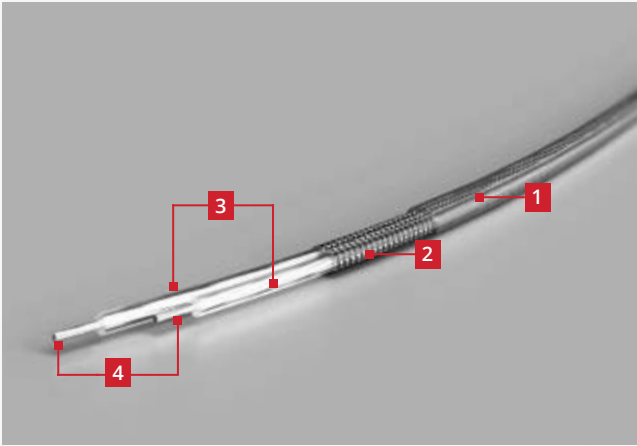
## 150W/m² System

| Product Code | Area Heated | Wattage | Amps  | Price (Excl 20% VAT) |
|--------------|-------------|---------|-------|----------------------|
| SPM1         | 1m²         | 150W    | 0.65A | £105.80              |
| SPM1.5       | 1.5m²       | 225W    | 0.98A | £133.65              |
| SPM2         | 2m²         | 300W    | 1.30A | £152.22              |
| SPM2.5       | 2.5m²       | 375W    | 1.63A | £187.49              |
| SPM3         | 3m²         | 450W    | 1.96A | £217.19              |
| SPM3.5       | 3.5m²       | 525W    | 2.28A | £244.12              |
| SPM4         | 4m²         | 600W    | 2.61A | £270.10              |
| SPM4.5       | 4.5m²       | 675W    | 2.93A | £291.36              |
| SPM5         | 5m²         | 750W    | 3.26A | £315.99              |
| SPM6         | 6m²         | 900W    | 3.91A | £373.13              |
| SPM7         | 7m²         | 1050W   | 4.57A | £429.37              |
| SPM8         | 8m²         | 1200W   | 5.22A | £468.64              |
| SPM9         | 9m²         | 1350W   | 5.87A | £509.71              |
| SPM10        | 10m²        | 1500W   | 6.52A | £540.18              |
| SPM11        | 11m²        | 1650W   | 7.17A | £572.73              |
| SPM12        | 12m²        | 1800W   | 7.83A | £625.52              |
| SPM15        | 15m²        | 2250W   | 9.78A | £785.64              |

## StickyMat™ 200W/m² System

| Product Code | Area Heated | Wattage | Amps   | Price (Excl 20% VAT) |
|--------------|-------------|---------|--------|----------------------|
| 2SPM0.5      | 0.5m²       | 100W    | 0.44A  | £69.60               |
| 2SPM1        | 1m²         | 200W    | 0.87A  | £117.87              |
| 2SPM1.5      | 1.5m²       | 300W    | 1.30A  | £147.57              |
| 2SPM2        | 2m²         | 400W    | 1.74A  | £164.28              |
| 2SPM2.5      | 2.5m²       | 500W    | 2.17A  | £200.48              |
| 2SPM3        | 3m²         | 600W    | 2.61A  | £234.82              |
| 2SPM3.5      | 3.5m²       | 700W    | 3.04A  | £264.53              |
| 2SPM4        | 4m²         | 800W    | 3.48A  | £294.24              |
| 2SPM4.5      | 4.5m²       | 900W    | 3.91A  | £314.12              |
| 2SPM5        | 5m²         | 1000W   | 4.35A  | £339.21              |
| 2SPM6        | 6m²         | 1200W   | 5.22A  | £400.80              |
| 2SPM7        | 7m²         | 1400W   | 6.09A  | £463.28              |
| 2SPM8        | 8m²         | 1600W   | 6.96A  | £509.71              |
| 2SPM9        | 9m²         | 1800W   | 7.83A  | £548.09              |
| 2SPM10       | 10m²        | 2000W   | 8.70A  | £578.02              |
| 2SPM15       | 15m²        | 3000W   | 13.05A | £844.59              |

# Cable Section



- |   |                                          |
|---|------------------------------------------|
| 1 | ETFE outer insulation                    |
| 2 | Earth braiding surrounding heating cores |
| 3 | ETFE inner insulation                    |
| 4 | Dual core, multi-strand heating element  |

## Installation Guide

(Refer to installation manual for complete instructions)

Make a floor plan of your floor area by measuring your room and then subtract any fixtures (such as baths and cupboards). Ensure you have the correct size mat for your floor area. Roll out the mesh, wire face up. At the end of the run, cut the mat (not the wire), turn the mat through 90° or 180° and continue laying the mat.

**NOTE:** All electrical connections must be performed by a qualified and competent electrician.



Installation video for Warmup StickyMat™ Systems. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



# Loose Wire™ Cable System

*Suitable for New-Build, irregular shaped areas for precise installation. An ultra-thin dual-core heating wire that is flexible, easy to install and will not raise floor levels.*



## Overview

The Warmup Loose Wire™ System is designed for use within the adhesive layer under tiles or within a levelling compound under other floor finishes. The variable spacing of the cable available during design and installation allows the system power to be tailored to the properties requirements.

The Loose Wire™ System is ideal for installation within small or irregularly shaped areas. In a bathroom the cable can be easily installed around the fixtures and within rooms with curved features it can easily follow the contours.

### ✓ Exceptionally Quick Response Time

Exceptionally quick response time with system installed directly beneath the tile floor finish.

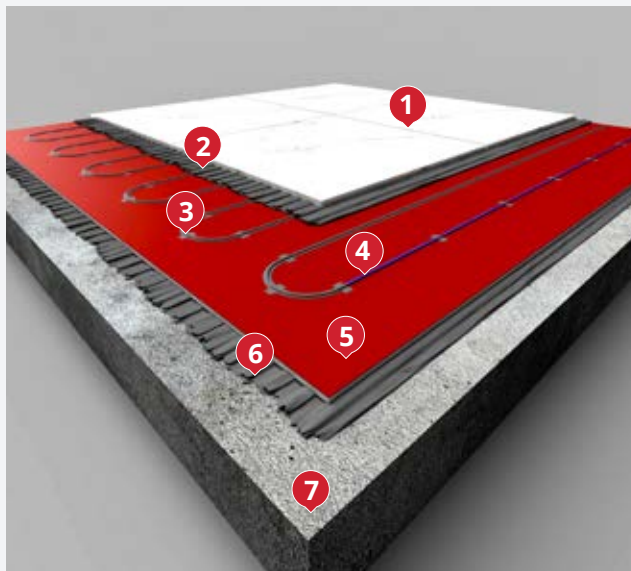
### ✓ 1.8mm Multi-Strand Cable

Ultra-thin, 1.8mm multi-strand cable, dual core heating cable is double insulated with an advanced fluoropolymer making it exceptionally tough and easy to tile over.

### ✓ Ideal For Irregular Shaped Rooms

Ideal for irregular shaped rooms such as bathrooms where the cable can be easily installed around the fixtures. Total build-up 3mm

## Typical Floor Build-Up



- 1 Floor finish
- 2 Tile adhesive or levelling compound
- 3 Warmup Tape
- 4 Warmup Loose Wire™
- 5 Warmup Ultralight™
- 6 Flexible Tile Adhesive
- 7 Subfloor

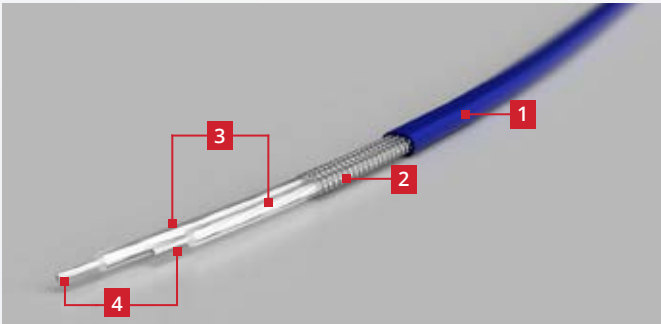
## Technical Specification

| Warmup Loose Wire™ |                    |                          |                                                           |
|--------------------|--------------------|--------------------------|-----------------------------------------------------------|
| Product Code       | DWS                | Average Output Rating    | 150W/m <sup>2</sup>                                       |
| Cable Thickness    | 1.8mm              | Connection               | 3.0 m long coldtail<br>Flat 2 core cable with earth braid |
| Operating Voltage  | 230 V AC:<br>50 Hz | Inner / Outer Insulation | ETFE                                                      |
| Min. Install Temp  | 5°C                | Earth Protection         | Metal braiding surrounding heating cores                  |
| IP Rating          | IPX7               | Heating Cores            | Dual core, multi-strand heating element                   |

# Loose Wire™ Price Guide

| Product Code                 | Area Heated    | Wattage | Amps   | Price (Excl. 20% VAT) |
|------------------------------|----------------|---------|--------|-----------------------|
| DWS300                       | 1.5 to 2.4m²   | 300W    | 1.30A  | £132.76               |
| DWS400                       | 2.5 to 3.4m²   | 400W    | 1.80A  | £157.82               |
| DWS600                       | 3.5 to 4.4m²   | 600W    | 2.61A  | £231.15               |
| DWS800                       | 4.5 to 5.9m²   | 800W    | 3.48A  | £298.93               |
| DWS600 + DWS400              | 6.0 to 6.9m²   | 1000W   | 4.41A  | £388.97               |
| 2 x DWS600                   | 7.0 to 8.4m²   | 1200W   | 5.22A  | £462.30               |
| DWS800 + DWS600              | 8.5 to 9.9m²   | 1400W   | 6.09A  | £530.08               |
| 2 x DWS800                   | 10 to 11.4m²   | 1600W   | 6.96A  | £597.86               |
| DWS800 + DWS600 + DWS400     | 11.5 to 12.9m² | 1800W   | 7.89A  | £687.90               |
| 2 x DWS800 + DWS400          | 13.0 to 14.4m² | 2000W   | 8.76A  | £755.68               |
| 2 x DWS800 + DWS600          | 14.5 to 15.9m² | 2200W   | 9.57A  | £829.01               |
| 3 x DWS800                   | 16.0 to 17.4m² | 2400W   | 10.43A | £896.79               |
| 2 x DWS800 + DWS600 + DWS400 | 17.5 to 18.9m² | 2600W   | 11.37A | £986.83               |
| 3 x DWS800 + DWS400          | 19.0 to 20.4m² | 2800W   | 12.24A | £1,054.61             |
| 3 x DWS800 + DWS600          | 20.5 to 21.9m² | 3000W   | 13.04A | £1,127.94             |
| 4 x DWS800                   | 22.0 to 25m²   | 3200W   | 13.91A | £1,195.72             |

## Cable Section



- |   |                                          |
|---|------------------------------------------|
| 1 | ETFE outer insulation                    |
| 2 | Earth braiding surrounding heating cores |
| 3 | ETFE inner insulation                    |
| 4 | Dual core, multi-strand heating element  |

# Frequently Asked Questions

## Can I use the Warmup Loose Wire™ System as a primary heat source?

If your room is well insulated and complies with modern insulation levels you should be able to use Warmup as the sole heat source. However, if your house is an older property with lower insulation properties you may need an additional heat source.

## What type of flooring can I use over the Loose Wire™ System?

The Loose Wire™ System is specifically designed for use under tiles and natural stone but can be used under other floor finishes. Consult the chart on page 19.

## What can I do if the heater is too big for my area?

Warmup Loose Wire™ gives you the flexibility to alter the wire spacing, to completely and evenly heat floor . The spacing between each run of heating element can be set anywhere between 50mm and 100mm.

**NOTE:** The heating wire cannot be shortened or cut at any stage. The correct size heater must be used for the floor area being heated. If in doubt, call 0345 345 2288 and let our trained staff advise you.

## Installation Guide

### (Refer to installation manual for complete instructions)

Ensure the subfloor is smooth, clean and dry. We recommend you install Warmup Insulation Boards for energy efficiency, but if you do not, use Warmup primer and allow to dry. Mark the perimeter and heater spacings on the floor using the sizing guide at the back of the installation manual.

**NOTE:** All electrical connections must be performed by a qualified and competent electrician.



Installation video for Warmup DWS™ System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!

# Inscreed™ Cable System

For screeded floors of any size. Once installed, the heated screed can be covered with any flooring.



## Overview

Warmup Inscreed Cable™ is an electric underfloor heating system designed for use within a screeded floor construction. The variable spacing of the cable available during design and installation allows the system power to be tailored to the properties requirements.

Screeded heating systems such as Warmup Inscreed™ have slower heat up and cool down times due to the screed depths used. The system will heat the screed but then release heat slowly into the room making it an ideal system for rooms which are in constant use.

### ✓ For a Variety of Floor Finishes

Suitable for any underfloor heating compatible floor finish, which can be easily replaced as desired.

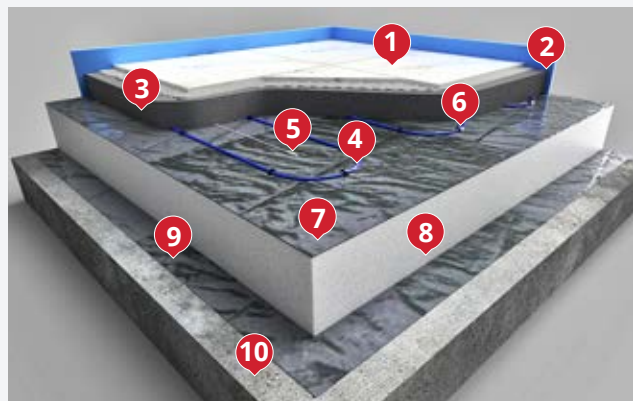
### ✓ No Change in Floor Build-Ups

The Inscreed Cable™ simply fixes to an insulation layer before laying a screed.

### ✓ Optimal Output Potential

The Inscreed Systems™ variable cable spacings allow the heat input into a floor to be tailored to match its required heat load.

## Typical Floor Build-Up



- 1 Floor Finish**
- 2 Perimeter Strip**  
*To allow for differential movement between finished floor level and walls*
- 3 Screed Layer**
- 4 Warmup Inscreed™ Heating Cable**  
*DO NOT cut at any stage!*
- 5 Floor Sensor**  
*Tab tape the sensor to the subfloor. Do not tape over the sensor tip!*
- 6 Warmup Clips**
- 7 Vapour Control Layer (VCL)**  
*To prevent the insulation absorbing moisture from the screed*
- 8 Insulation Layer**
- 9 Damp Proof Membrane**  
*To prevent water ingress*
- 10 Concrete Subfloor**

## Technical Specification

| Warmup Inscreed™  |                                          |                          |                                                       |
|-------------------|------------------------------------------|--------------------------|-------------------------------------------------------|
| Product Code      | WIS                                      | Cable Sheath             | Blue                                                  |
| Connection        | 1.5mm², 2.50m long coldtail              | Inner / Outer Insulation | Fluoropolymer / Polyolefin                            |
| Operating Voltage | 230 V AC: 50 Hz                          | Earth Protection         | Metal braiding surrounding heating cores              |
| Output Rating     | 200 W/m² / 150 W/m² / 100 W/m²           | Min. Installation        | -10 °C                                                |
| Heating Cores     | Dual core, single-strand heating element | IP Rating                | IPX7                                                  |
| Cable Diameter    | 5.30mm                                   | Spacing                  | 100mm (200W/m²)<br>133mm (150W/m²)<br>200mm (100W/m²) |

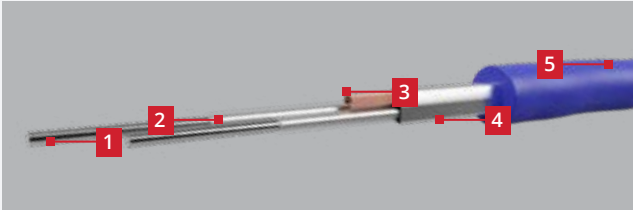
# Inscreed™ Cable Price Guide

| Product Code | 100W/ m² | 150W/ m² | 200W/ m² | Heater Length | Watt  | Amps  | Price (Excl. 20% VAT) |
|--------------|----------|----------|----------|---------------|-------|-------|-----------------------|
| WIS180       | 1.8m²    | 1.2m²    | 0.9m²    | 9.0m          | 180W  | 0.8A  | £60.63                |
| WIS280       | 2.8m²    | 1.9m²    | 1.4m²    | 14.0m         | 280W  | 1.2A  | £84.88                |
| WIS390       | 3.9m²    | 2.6m²    | 2.0m²    | 19.5m         | 390W  | 1.7A  | £97.01                |
| WIS500       | 5.0m²    | 3.3m²    | 2.5m²    | 25.0m         | 500W  | 2.2A  | £115.20               |
| WIS650       | 6.5m²    | 4.3m²    | 3.3m²    | 32.5m         | 650W  | 2.8A  | £139.45               |
| WIS760       | 7.6m²    | 5.1m²    | 3.8m²    | 38.0m         | 760W  | 3.3A  | £145.52               |
| WIS1000      | 10.0m²   | 6.7m²    | 5.0m²    | 50.0m         | 1000W | 4.3A  | £176.85               |
| WIS1200      | 12.0m²   | 8.0m²    | 6.0m²    | 60.0m         | 1200W | 5.2A  | £207.18               |
| WIS1460      | 14.6m²   | 9.7m²    | 7.3m²    | 73.0m         | 1460W | 6.3A  | £243.56               |
| WIS1550      | 15.5m²   | 10.3m²   | 7.8m²    | 77.5m         | 1550W | 6.7A  | £249.62               |
| WIS1770      | 17.7m²   | 11.8m²   | 8.9m²    | 88.5m         | 1770W | 7.7A  | £268.81               |
| WIS2070      | 20.7m²   | 13.8m²   | 10.4m²   | 103.5m        | 2070W | 9.0A  | £291.05               |
| WIS2600      | 26.0m²   | 17.3m²   | 13.0m²   | 130.0m        | 2600W | 11.3A | £352.71               |
| WIS3140      | 31.4m²   | 20.9m²   | 15.7m²   | 157.0m        | 3140W | 13.7A | £408.28               |
| WIS3370      | 33.7m²   | 22.5m²   | 16.9m²   | 168.5m        | 3370W | 14.7A | £432.54               |

# Inscreed™ System Accessories Guide

| Product Code   | Description                                                                   | Price (Excl 20% VAT) |
|----------------|-------------------------------------------------------------------------------|----------------------|
| WHS-FO-TIE     | Forte™ - Zip Ties (Pack of 100)                                               | £1.68                |
| TAPEINS45M     | Fibreglass Tape - 45m Roll                                                    | £5.60                |
| AC-EDGE25      | Perimeter Expansion Strip - 8mm x 150mm x 25m                                 | £23.37               |
| WHS-X-EDGE50   | Perimeter Expansion Strip - 8mm x 150mm x 50m                                 | £33.80               |
| ACC-50MTAPE    | Double sided tape - 30mm x 50m                                                | £37.80               |
| WIS-CLIP-26    | A box of 600 26mm clips for use in installation of Inscreed cable             | £56.70               |
| MFB1           | Metal Fixing Band - 25m PK1                                                   | £57.59               |
| WIS-CLIP26-GUN | Clip-26 Gun which helps speed up installation of the clips for Inscreed cable | £627.90              |

# Cable section



- 1 Dual core, single-strand heating element
- 2 Inner insulation: Advanced Fluoropolymer
- 3 Copper drain wire
- 4 Aluminium mylar shield
- 5 Outer polyolefin sheath

# Frequently Asked Questions

## Can the Inscreed™ Cable System be shortened?

Never shorten the Inscreed™ Cable. You must ensure that the correct size is installed into the area. We have a large range of sizes to choose from.

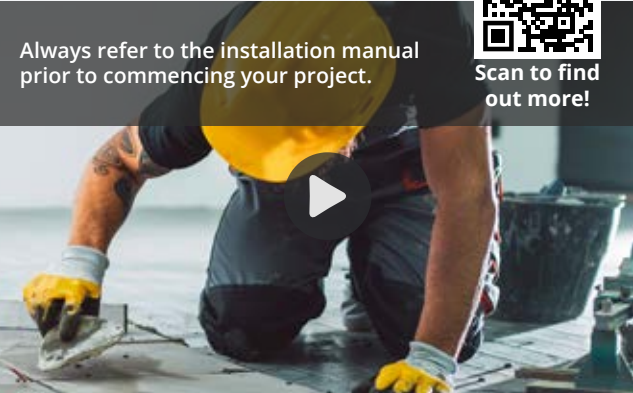
## How thick is the screed used with the system?

The Warmup Inscreed™ Cable is designed to be placed within a screed of at least 35mm in thickness. The exact floor build up depends on the insulation materials in the subfloor - please see the installation manual for full details.

## Can the Inscreed™ Cable System be laid directly onto insulation material? (i.e. single pour)

Yes, if you use cement-faced or foil-faced insulation boards suitable for electric underfloor heating, but a VCL is always recommended to protect the insulation from moisture in the screed.

**NOTE:** All electrical connections must be performed by a qualified and competent electrician.



Scan to find out more!

# Foil Heater™

We recommend using the Warmup Insulated Underlay™ and Dual Overlay™ Systems for maximum efficiency.\*

\*Excludes bathrooms.



## Overview

The Warmup Foil Heater™ is an electric underfloor heating system. The Foil heater™ is fitted between the insulating layer and the floating floor deck, adding negligible height to the installation.

Parquet flooring, carpets, vinyls and other resilient floor finishes can be laid over the Warmup Foil Heater™ by using our Dual Overlay™ system to create a thin floating floor deck.

### ✔ Diffusing Heat Evenly

Foil layer acts as a continuous earth layer within the floor construction whilst also diffusing the heat evenly.

### ✔ No Self-levelling required

Installed directly under the floor finish; no self-levelling required.

### ✔ Regular Shaped Rooms

Ideal for regular shaped rooms, where the 0.5m wide mats can be rolled out across the floor in parallel runs.

## Typical Floor Build-Up



|   |                                                                                                                                 |
|---|---------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b><br>Compatible floor finishes such as laminate, or carpet, linoleum and vinyl flooring if using Dual Overlay |
| 2 | <b>Warmup Foil Heater™</b>                                                                                                      |
| 3 | <b>Warmup Insulated Underlay™</b>                                                                                               |
| 4 | <b>Subfloor</b>                                                                                                                 |

## Technical Specification

| Warmup Foil Heater™ |                 |                   |                                                        |
|---------------------|-----------------|-------------------|--------------------------------------------------------|
| Product Code        | WLFH            | Cable Thickness   | 1.8mm                                                  |
| Operating Voltage   | 230 V AC: 50 Hz | Output rating     | 140W/m² / 80W/m²                                       |
| IP Rating           | IPX7            | Insulation        | ETFE                                                   |
| Width               | 500mm           | Min. Install Temp | 5 °C                                                   |
| Mat Thickness       | 3mm             | Connection        | 3.0 m long coldtail Flat 2 core cable with earth braid |

# Foil Heater™ Price Guide

## 140W/m² System

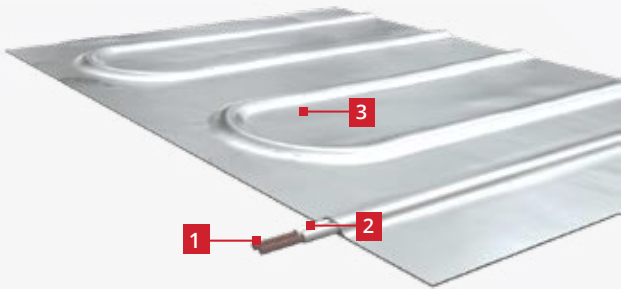
| Product Code   | Area Heated | Wattage | Amps  | Price (Excl. 20% VAT) |
|----------------|-------------|---------|-------|-----------------------|
| WLFH-140W/140  | 1           | 140W    | 0.61A | £82.47                |
| WLFH-140W/210  | 1.5         | 210W    | 0.91A | £100.15               |
| WLFH-140W/280  | 2           | 280W    | 1.22A | £125.68               |
| WLFH-140W/420  | 3           | 420W    | 1.83A | £189.51               |
| WLFH-140W/560  | 4           | 560W    | 2.43A | £236.64               |
| WLFH-140W/700  | 5           | 700W    | 3.04A | £290.65               |
| WLFH-140W/840  | 6           | 840W    | 3.65A | £342.69               |
| WLFH-140W/980  | 7           | 980W    | 4.26A | £396.69               |
| WLFH-140W/1120 | 8           | 1120W   | 4.87A | £449.72               |
| WLFH-140W/1260 | 9           | 1260W   | 5.48A | £508.63               |
| WLFH-140W/1400 | 10          | 1400W   | 6.09A | £554.52               |
| WLFH-140W/1680 | 12          | 1680W   | 7.30A | £663.89               |

## 80W/m² System

| Product Code        | Area Heated | Wattage | Amps  | Price (Excl. 20% VAT) |
|---------------------|-------------|---------|-------|-----------------------|
| WLFH-80W/80 1SQM    | 1           | 140W    | 0.61A | £56.95                |
| WLFH-80W/120 1.5SQM | 1.5         | 210W    | 0.91A | £89.35                |
| WLFH-80W/160 2SQM   | 2           | 280W    | 1.22A | £117.82               |
| WLFH-80W/240 3SQM   | 3           | 420W    | 1.83A | £170.85               |
| WLFH-80W/320 4SQM   | 4           | 560W    | 2.43A | £204.24               |
| WLFH-80W/400 5SQM   | 5           | 700W    | 3.04A | £250.38               |
| WLFH-80W/480 6SQM   | 6           | 840W    | 3.65A | £313.23               |
| WLFH-80W/560 7SQM   | 7           | 980W    | 4.26A | £347.59               |
| WLFH-80W/640 8SQM   | 8           | 1120W   | 4.87A | £414.37               |
| WLFH-80W/720 9SQM   | 9           | 1260W   | 5.48A | £443.83               |
| WLFH-80W/800 10SQM  | 10          | 1400W   | 6.09A | £508.63               |

**MUST** be used with the Warmup Insulated Underlay™. If you are laying a vinyl or carpet, the Warmup Dual Overlay™ or HiDECK Overlay 18 **MUST** be used. Dual Overlay™ is not suitable for use within wet rooms.

# Heater Build-up



- 1

Single-strand twin conductors heating element
- 2

Wire Insulation: advanced fluoropolymer
- 3

Aluminium Foil Earth

## Foil Heater Ancillaries

| Product Code                   | Description                                                                  | Price (Excl. 20% VAT) |
|--------------------------------|------------------------------------------------------------------------------|-----------------------|
| UK-WUK-IN-WDO-HIDECK18         | HiDECK Overlay 18 Gypsum Board<br>18mm x 600mm x1200mm<br>Coverage 0.72 (m²) | £35.37                |
| UK-WUK-AC-WDO-HIDECK-ADH       | HiDECK PRO Adhesive<br>1 Litre bottle Covers 33m²                            | £34.62                |
| WDO Warmup Dual Overlay System | 7mm Base Boards Pack 2.88m²                                                  | £87.80                |
| WIU2.5                         | 6mm Underlay<br>120cm Wide, 200cm Length - 2.5m²                             | £33.37                |
| WIU5.0                         | 6mm Underlay<br>120cm Wide, 400cm Length - 5m²                               | £62.82                |
| WIU10.0                        | 6mm Underlay<br>120cm Wide, 800cm length - 10m²                              | £121.73               |
| WIU25.0                        | 6mm Underlay<br>120cm Wide, 2000cm length - 25m²                             | £287.65               |

## Frequently Asked Questions

### What types of flooring can be used?

The Foil Heaters™ can be used under engineered wood, carpet, vinyl or any floating floor finish provided the thermal resistance of the covering layers does not exceed 1.5 tog. Always check the floor finishes requirements with its manufacturer to ensure is compatible.

### Can the Foil Heaters™ be cut and turned?

You can cut and turn the foil to suit the shape of the room, but **NEVER** cut the wire. Once the aluminium foil has been cut and the mat has been re-positioned, use the aluminium foil tape provided to cover any exposed wire and link the two pieces of the mat. Please see the installation manual for full details and diagrams.

### When can I turn my Foil System™ on?

Once the finished floor has been laid, wired up and tested, the system can be switched on immediately.

### Which insulation materials should be used?

Warmup's Insulated Underlay must be used with Warmup Foil Heaters™. If you are installing a soft flooring such as vinyl or carpet, use the Warmup Dual Overlay™ or HiDECK Overlay 18 to protect the foil heating wire from heels and heavy load points.

## Installation Guide

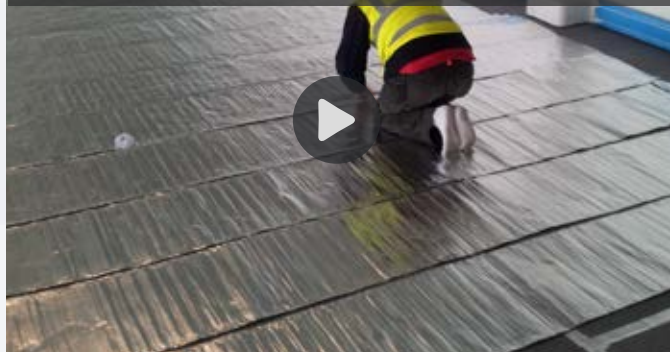
### (Refer to installation manual for complete instructions)

Warmup Foil Heaters™ are available in several convenient sizes. Use larger mats as much as possible and smaller mats as gap fillers. Ideally, the combination should cover 80% of your floor area. Exclude permanent or static fixtures from your calculations.



Installation video for Warmup Foil Heater™ System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



**Our Foil Heater™ is for laminate, carpet, engineered wood and other floating floor finishes.**



# Electric Underfloor Heating Insulation Boards

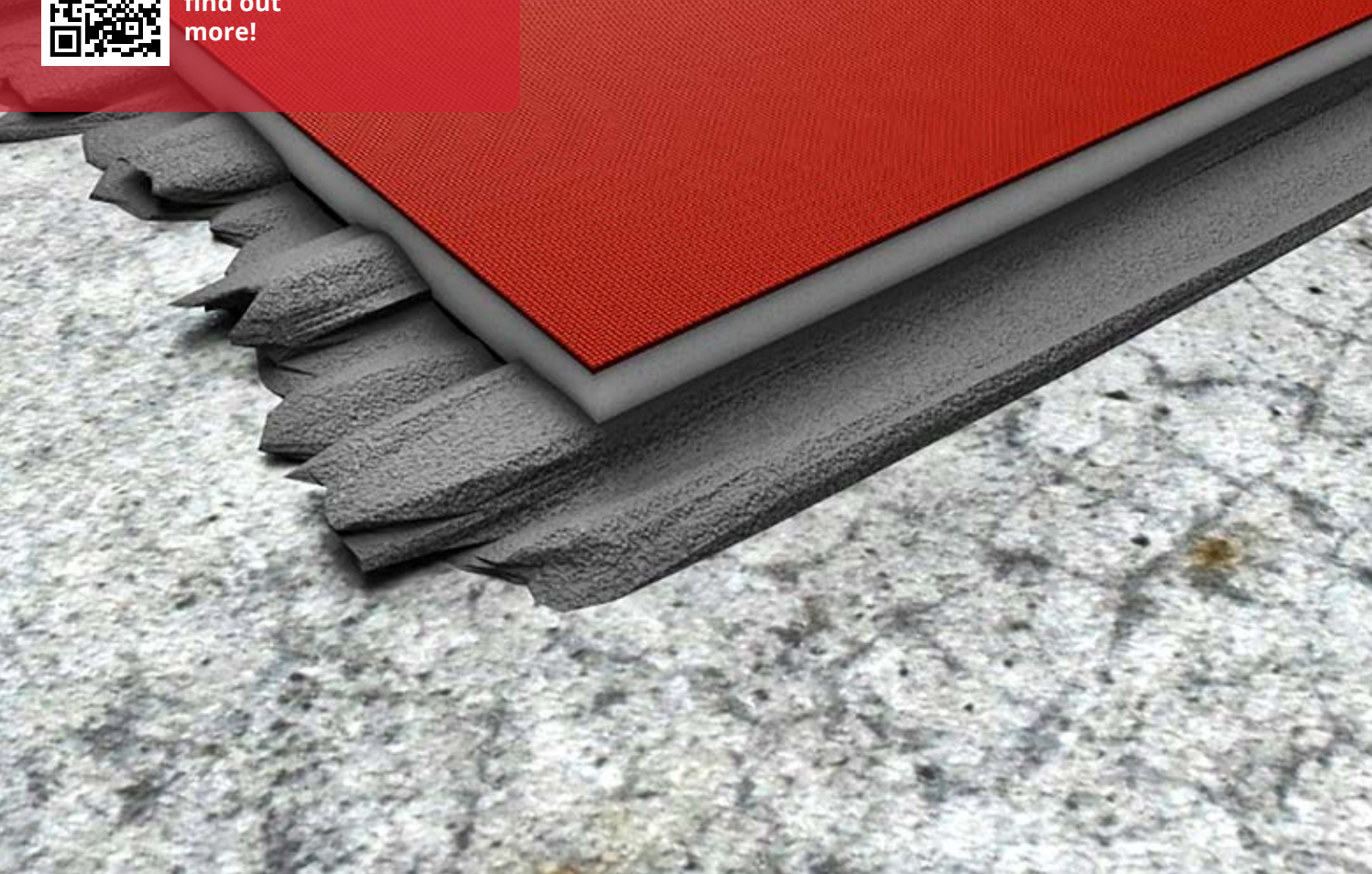
Our range of insulation products enhance the energy-efficiency and response times of electric floor heating systems.



Scan to  
find out  
more!

## Matching the system with the appropriate insulation

| Electric Systems | Ultralight™ | Cement Coated™ | Insulated Underlay™ |
|------------------|-------------|----------------|---------------------|
| DCM-PRO™         | ✓           | ✓              | -                   |
| Loose Wire™      | ✓           | ✓              | -                   |
| StickyMat™       | ✓           | ✓              | -                   |
| Inscreed™        | -           | ✓              | -                   |
| Foil Heater™     | ✓           | -              | ✓                   |
| StickyMat 3D™    | -           | ✓              | -                   |



# Warmup Ultralight™

4in1

Insulating  
Heat Spreading  
Decoupling  
Sound Reducing



Scan to find  
out more!

## Overview

Ultralight™ is a specialised composite board designed for floor heating applications. Manufactured as flat, flexible sheets they are water and mould-resistant. The top surface incorporates a heat spreading aluminium layer combined with non-woven fleece.

The core PEF insulation provides thermal separation from the floor beneath, ensuring a rapid thermal response of a heated layer of tiles or levelling compound above.

### ✓ Improves Comfort And Reduces Running Costs

The heat spreading aluminium layer improves comfort and reduces running costs by providing a 50% more even heat spread. This enables the floor to achieve the same comfort temperature whilst using 12% less energy. See Fig 1.

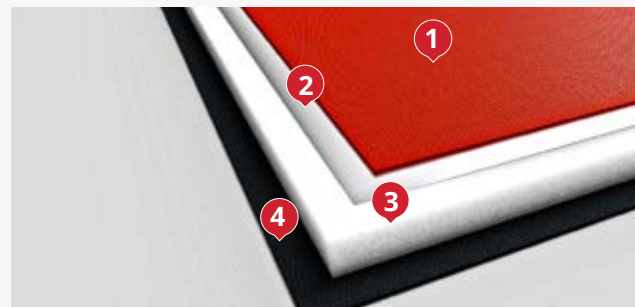
### ✓ Reduces eUFH Heat Up Times

30% faster heat up times than standard insulation boards.

### ✓ Protection Against Tiles Cracking

Decoupling fleece layer provides high performance protection against tiles cracking due to lateral subfloor movement in accordance with ANSI A118.12 standard.

## Insulation Build-Up



- |   |                             |
|---|-----------------------------|
| 1 | Non-Woven Fleece            |
| 2 | Heat Spreading Aluminium    |
| 3 | 220kPa Insulation           |
| 4 | Decoupling Non-Woven Fleece |

## Technical Data

| Warmup Ultralight™                         |                              |                                                             |                               |
|--------------------------------------------|------------------------------|-------------------------------------------------------------|-------------------------------|
| Product Code                               | WCI-X                        | Compressive Strength, 10% Compression, EN 826               | 220 kPa                       |
| Pack Size                                  | 1, 6, 16, 170 Boards         | Point Loading, Tiled ANSI A118.12                           | ≥ 2.2 kN                      |
| Thickness                                  | 6mm ±0.3mm                   | Robinson Test, 100 - 199 mm Tiles, ASTM C627                | Domestic                      |
| Dimensions                                 | 800 mm (W) x1200 mm (L) ±6mm | Robinson Test, 200 - 599 mm Tiles ASTM C627                 | Light Commercial              |
| Area                                       | 0.96m²                       | Robinson Test, ≥ 600 mm Tiles ASTM C627                     | Heavy Commercial              |
| Weight of Board                            | 1.1kg                        | 7 Day Shear Strength, ANSI A118.12                          | 113 psi (780 kPa)             |
| Thermal Resistance EN 12667                | 0.111m² K/W                  | Crack Resistance (Anti-Fracture / Decoupling), ANSI A118.12 | ≥ 1/8" => High Performance    |
| Thermal Conductivity EN 12667              | 0.054 W/mK                   | Long Term Water Absorption, EN 12087                        | 0.052% w/w                    |
| Reaction To Fire, EN 13501-1EN ISO 11952-2 | Euroclass E                  | Water Vapour Permeability, EN 12086                         | 9.12 mg/m²h                   |
| Release of Dangerous Substances, REACH     | SVHC ≤ 0.1% w/w              | Mould Growth, ANSI A118.12                                  | Does not support mould growth |

# Acoustic Performance

Warmup Ultralight™ is tested and rated for its acoustic performance by Intertek Building & Construction in accordance with **ISO 10140-2, ISO 10140-3, ASTM E90 and ASTM E492.**

Results obtained are tested values and were obtained by using the designated test methods in test chambers that satisfy the lab requirements specified in **ISO 10140-5.**



Scan to find out more!

# Heat Spread

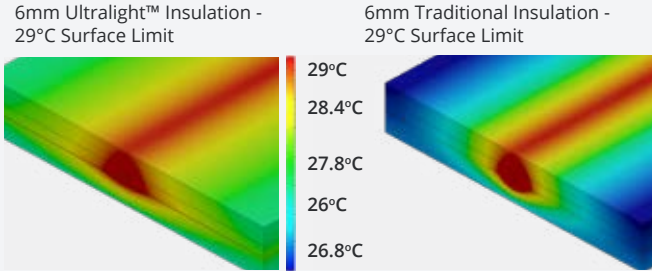


Fig. 1 - Improved Heat Spread of Ultralight™ Vs Traditional Insulation

When operating at a 29°C maximum surface temperature, traditional insulation would result in a minimum surface temperature just below 26°C. By comparison, Ultralight™ increases this to 27.5°C resulting in increased comfort and a 10.5% increase in heat output.

# Response Time Improvement

Response Time Improvement from Ultralight Tiles over DWS eUFH System @ 150 W/m²

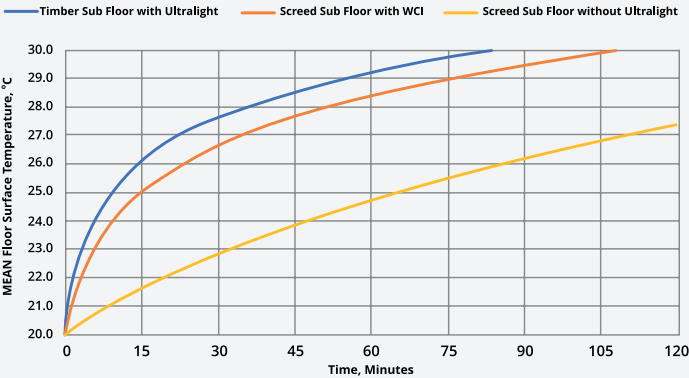


Fig. 2 - Improvement in response time due to using Ultralight™

In tests, a 150 W/m² eUFH heater over a 65mm insulated screed, the floor will take 110 minutes to achieve 27°C. By installing Ultralight™ beneath the eUFH, the same temperature is reached in just 34 minutes.

# Ultralight™ Insulation Price Guide

| Product Code | Description                                                                  | Price (Excl. 20% VAT) |
|--------------|------------------------------------------------------------------------------|-----------------------|
| WCI-01       | Ultralight Insulation Board 6mm x 800mm x 1,200mm                            | £20.00                |
| WCI-06       | Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 6 / 5.76m²)       | £120.00               |
| WCI-16       | Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 16 / 15.36m²)     | £309.28               |
| WCI-170      | Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pallet of 170 / 163.20m²) | £3,060.00             |



# Warmup Cement Coated Insulation™

Waterproof Insulation  
For Walls & Floors



## Overview

Warmup Insulation Boards are manufactured from water resistant extruded polystyrene, finished on both faces with a thin layer of fibreglass reinforced cement. They are available in a range of thicknesses, from 6mm to 50mm, to match individual project requirements.

They are ideal for tile backing applications on both walls and floors, with the internal layer of insulation capable of supporting 30 tonnes per square metre. The 1mm thick cement coating provides an excellent surface for tile adhesive, plaster and smoothing/levelling compounds, with no priming required.

### ✔ Easy Cut & Shaped

Easy to cut and shape around fixtures with a knife or saw.

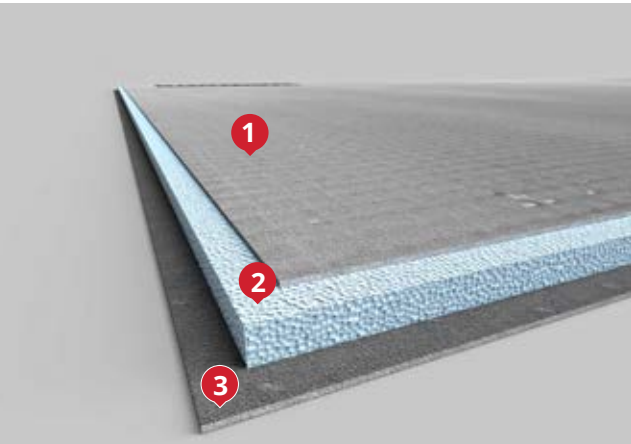
### ✔ A Range of Thicknesses

Comes in a range of thicknesses to suit floor and wall. It can be fixed to solid or stud walls applications.

### ✔ Creates Waterproof Layer

Can be used to easily create a waterproof floors and walls in wet rooms, just by adding silicone sealant to the edges of the board before butting them tightly together. High resistance to rot due to very low absorption rate.

## Insulation Build-Up



|   |                                         |
|---|-----------------------------------------|
| 1 | 1mm Cement coating with fibreglass mesh |
| 2 | 300kPa XPS insulation                   |
| 3 | 1mm cement coating with fibreglass mesh |

## Technical Data

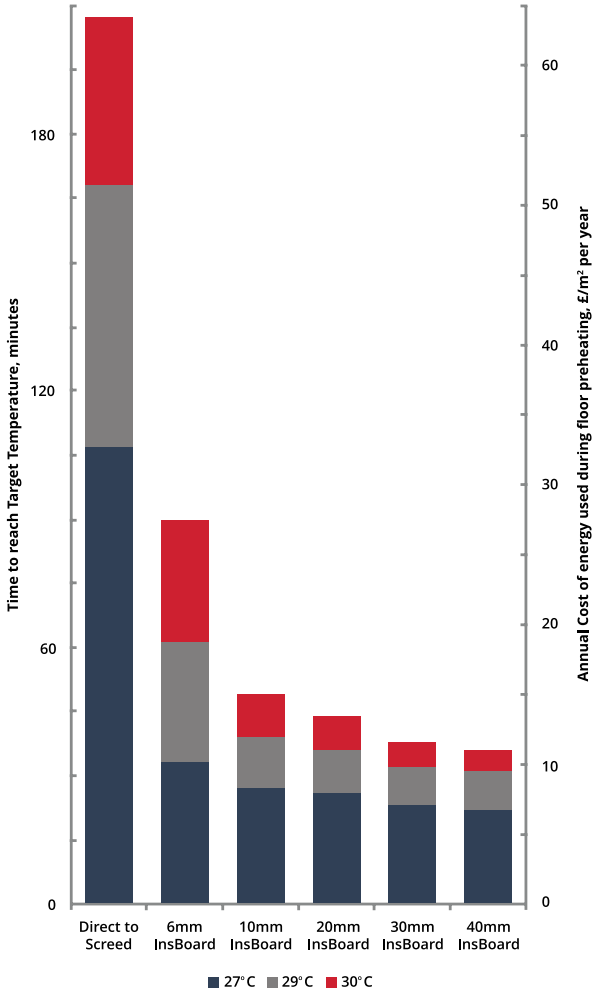
| Warmup Cement Coated Insulation™ |                                              |                                                                   |         |
|----------------------------------|----------------------------------------------|-------------------------------------------------------------------|---------|
| Product Code                     | INSBOARDS                                    | Compressive Strength, 10% Compression, EN 826                     | 300 kPa |
| Width                            | 600mm                                        | Bond Strength                                                     | 220 kPa |
| Length                           | 1250mm                                       | Shear Bond Strength                                               | 325 kPa |
| Thickness                        | 6/10/20/<br>30/40/50mm                       | Maximum Tile Weight (for Walls)                                   | 60kg/m² |
| Area                             | 0.75m²                                       | Thermal Expansion Co-efficient (Foam Core ONLY) - mm/m per °      | ≤0.07   |
| Weight of Board                  | 2.2/2.3/2.5/<br>2.8/3.0/3.2kg                | Water Absorbtion (2 Day Immersion) (Foam Core ONLY) - % by volume | ≤1.5    |
| Thermal Resistance EN 12667      | 0.11/0.22/<br>0.50/ 0.78/<br>1.06/1.33m² K/W | Fire Rating - Euroclass                                           | E       |
| Thermal Conductivity EN 12667    | 0.036 W/mK                                   | Zone Depletion Potential - ODP                                    | 0       |

# Insulation Board Effect On Preheating Times

Warmup has conducted extensive testing of its electric underfloor heating systems when used in combination with its range of Cement Coated Insulation Boards.

The tests consisted of a 75mm screed subfloor, heated with a 150W/m<sup>2</sup> under tile heating system. The range of Warmup Cement Coated Insulation Boards were each installed between the sub floor and the heated tiles with a reference construction that had none.

The chart below shows the response times and the resulting costs of preheating the floors from 18°C to three different temperature settings. Even just a 6mm board makes a significant improvement to system performance and provides savings that will quickly recover their initial purchase price.



Costs based on electricity priced at 34p/kWh, with 2 heating periods per day throughout a 180 days heating season



## Cement Coated Insulation™ Price Guide

| Product Code   | Description                                            | Price (Excl. 20% VAT) |
|----------------|--------------------------------------------------------|-----------------------|
| INSBOARD 6MM   | Cement Coated Insulation Board - 6mm x 600mm x 1250mm  | £22.25                |
| INSBOARD (PK1) | Cement Coated Insulation Board - 10mm x 600mm x 1250mm | £22.25                |
| INSBOARD 20MM  | Cement Coated Insulation Board - 20mm x 600mm x 1250mm | £29.98                |
| INSBOARD 30MM  | Cement Coated Insulation Board - 30mm x 600mm x 1250mm | £37.23                |
| INSBOARD 40MM  | Cement Coated Insulation Board - 40mm x 600mm x 1250mm | £43.04                |
| INSBOARD 50MM  | Cement Coated Insulation Board - 50mm x 600mm x 1250mm | £53.67                |

| Product Code | Description                                 | Price (Excl. 20% VAT) |
|--------------|---------------------------------------------|-----------------------|
| TAPEINS90M   | Fibreglass Tape - 90 meter roll             | £4.84                 |
| WIBS40MM     | Wood Screws - 40mm (100 per pack)           | £3.86                 |
| WIBW35MM     | Penny Washers - 36mm diameter (50 per pack) | £11.57                |

# Frequently Asked Questions

## Where can I use it?

Warmup Insulation Boards can be used as a structural tile backer board on the floor and walls, and with a compressive strength of 30 tonnes/sqm they are ideal for use with underfloor heating.

As wall tile backer boards, tiles can be fixed directly onto the surface without prior preparation. When the joints are sealed it is totally waterproof, offering an ideal solution for use in bathrooms, shower rooms, wetrooms and kitchens.

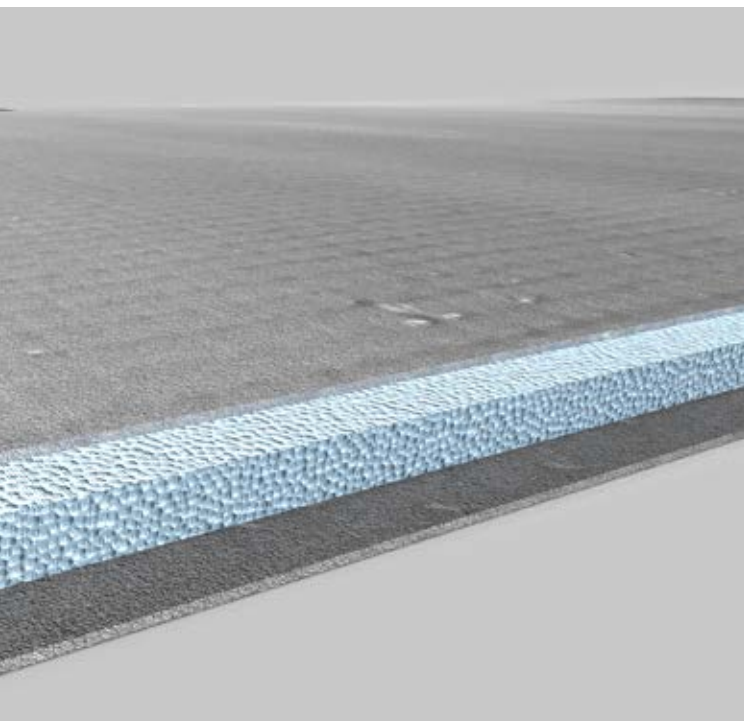
## What is it made from?

Warmup Insulation Boards are made of waterproof extruded polystyrene and have a fibreglass mesh embedded on each face within a polymer cement adhesive. The boards are fully waterproof, preventing any water passing through them. They are lightweight, easy to cut with a knife and install.

## What is an R Value?

The R Value is a measure of thermal resistance used in the construction industry. The higher the R Value the better an insulator (e.g. 10mm Warmup Insulation Boards have an R Value of 0.22 m<sup>2</sup>K/W and the 20mm Warmup Insulation Boards have an R value of 0.50 m<sup>2</sup>K/W).

All buildings should strive for the highest possible R Values to reduce the amount of energy used.



## Why do you recommend insulation boards on a concrete base?

Insulation boards can reduce running costs by as much as 50% because they are a highly efficient thermal barrier to cold rising from the subfloor. By reducing the heat absorbed by the subfloor, the floor will be warm in approximately 20 minutes after the system comes on. Without insulation boards it could take several hours. This is important for energy efficiency for today's energy-conscious consumers.

See the heat up chart example on page 59 for more details.

## Installation Guide

**(Refer to installation manual for complete instructions)**

### Installation onto concrete floors

Lay the boards on a concrete base and stagger the joints. Fix the boards to the concrete base with a suitable flexible tile adhesive. Once the adhesive hardens, tape the joints with fibreglass tape.

**Installation onto wooden floors (Contact us on 0345 345 2288 to receive a copy of our technical guide for wood flooring or visit [www.warmup.co.uk](http://www.warmup.co.uk)).**

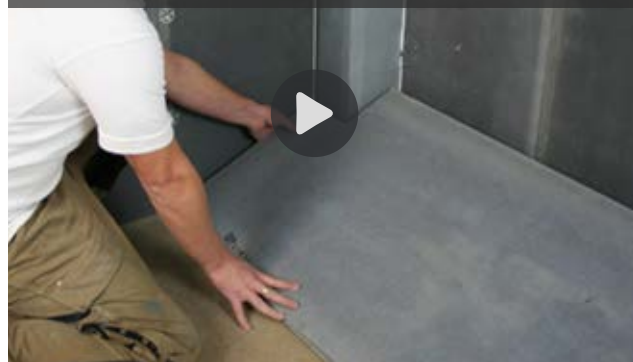
### Installation onto walls

Fix the lightweight boards to any suitable wall, such as timber/metal frame or solid walls. Boards can easily be cut with a knife or sawn to work around objects. When fixing to framework, the boards must be screwed in place. Refer to the installation manual for further details. Cover the joints with self-adhesive fibreglass tape before plastering or tiling.



**Scan to find out more!**

Installation of Warmup Cement Coated Insulation Board. Always refer to the installation manual prior to commencing your project.



# Warmup Insulated Underlay™

Effective acoustic properties to reduce contact noise.

## Overview

Warmup Insulated Underlay™ is a 6mm ribbed EPS foam insulation with metallised polyethylene foil backing.

Designed specifically for use under the Warmup Foil Heater™ system, it is installed between the subfloor and the Foil Heater™, reducing heat loss downwards, making the system more energy efficient.

Installation is quick, clean and dry, making it an easier option for installers. With the foil acting as a moisture barrier, it is installed foil side down, the protective film from the self-adhesive strip is removed and the underlay is stuck to the subfloor.

### ✓ Improved Energy Efficiency

Insulates and reduces heat loss making the heating system more energy efficient.

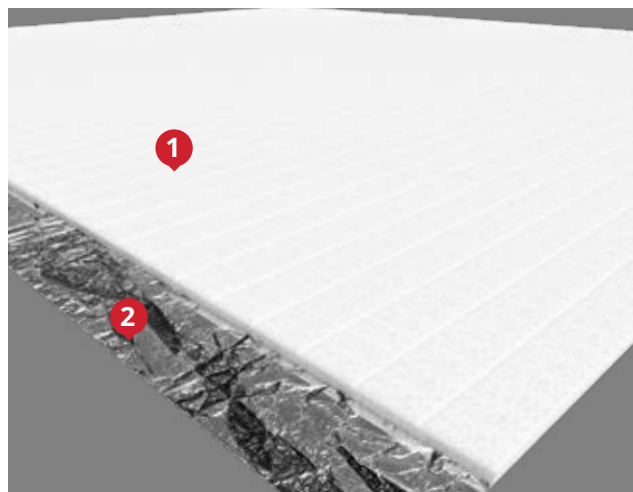
### ✓ Variety Of Floor Finishes

For use under floating wood and laminate flooring or when installed in conjunction with Warmup Dual Overlay™, carpet, LVT, linoleum and vinyl flooring.

### ✓ Essential Heat Resistance

Warmup Insulated Underlay has a 1.7 tog rating. Essential when fitted with the Foil Heater™.

## Typical Floor Build-Up



- 1 6mm, 43kPa ribbed EPS insulation
- 2 Metallised polyethylene foil backing

## Technical Specification

| Warmup Insulated Underlay™ |                                                                           |                                        |                     |
|----------------------------|---------------------------------------------------------------------------|----------------------------------------|---------------------|
| Product Code               | WIU (Warmup Insulated Underlay)                                           | Water Vapour Diffusion Resistance (SD) | > 100               |
| Size                       | Width - 1200 mm<br>Coverage/Pack - 2.5m², 5.0m², 10 m², 25m²              | Temperature Range                      | -30 °C up to +70 °C |
|                            |                                                                           | Compressive Strength (kPa)             | 43                  |
| Thickness                  | 6 mm +/- 0.5                                                              | Thermal Conductivity (W/m.K)           | 0.033               |
| Composition                | Top Layer: Ribbed EPS<br>Bottom Layer: (silver) polyethylene foil backing | tog                                    | 1.7                 |
| Density (kg/m³)            | 18                                                                        | Thermal Resistance (m².K/W)            | 0.17                |
| Impact Sound Reduction     | 21dB ΔLw *                                                                | Fire Class EN 13501                    | Bfl-s1              |

\*When installed with Warmup Dual Overlay

# Warmup Insulated Underlay™

| Area Covered | Insulated Underlay System Code | Price (Excl. 20% VAT) |
|--------------|--------------------------------|-----------------------|
| 2.5m²        | WIU2.5                         | £33.37                |
| 5.0m²        | WIU5.0                         | £62.82                |
| 10.0m²       | WIU10.0                        | £121.73               |
| 25.0m²       | WIU25.0                        | £287.65               |



Installation manual for Warmup Insulated Underlay™. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



## Frequently Asked Questions

### What is it made from?

The top layer of the underlay is comprised of a 6mm grooved lightweight polystyrene (which offers added acoustic properties by reducing contact noise) and a bottom layer of silver foil which has an adhesive overlap to join subsequent rolls. The underlay has a sound reduction of 21dB ΔLw when used in conjunction with Warmup Dual Overlay™.

### What is an R Value?

The R value is a measure of thermal resistance used in the construction industry. A rating of 0.17 represents a low level of insulation for energy efficiency but promotes faster response times when used over an insulated subfloor.

### Can I use this under tiles and stone?

No. It is designed for installation with the Foil Heater™ when installed under soft and resilient floor coverings such as wood, carpet, vinyl and linoleum. When your finish needs to be fixed down (glued) such as carpet, then a combination of the Insulated Underlay™, Foil Heater™ and HiDECK Overlay 18™ should be used.

### What goes over Warmup's Insulated Underlay™?

Warmup's Insulated Underlay™ has been specially developed as part of a system with the Warmup Foil Heater™ and Dual Overlay™ or HiDECK Overlay 18™ to protect the heating wire from sharp heels and heavy point loads. The combined thickness of the Warmup Dual Overlay™ and the Warmup Insulated Underlay™ is 13mm.

## Installation Guide

### (Refer to installation manual for complete instructions)

Install the Insulated Underlay™ with the silver foil facing down onto a clean and dry floor. After fitting the first row, roll the next section of underlay. Remove the protective film from the self-adhesive overlap and stick both rows together, creating a damp proof barrier. Stagger subsequent rows until the whole floor area is covered.



# Warmup Dual Overlay™ System

Warmup Dual Overlay™ (WDO) is an MDF based product. It is designed for use within dry rooms.

## Overview

Warmup Dual Overlay™ is a free-floating system designed for use over the Warmup Foil Heater™ system. It provides a smooth and seamless subfloor, suitable for soft and resilient floor coverings such as carpet and LVT, linoleum, and vinyl flooring.

The boards consist of base board and a top board with two self adhesive layers that bond themselves together to create a smooth, continuous floating floor deck over the Foil Heater™ ready for the floor finish to be laid over.

### Easy Installation

Easy to cut and shape around fixings, with a quick, easy and dry installation process - no wet trades required.

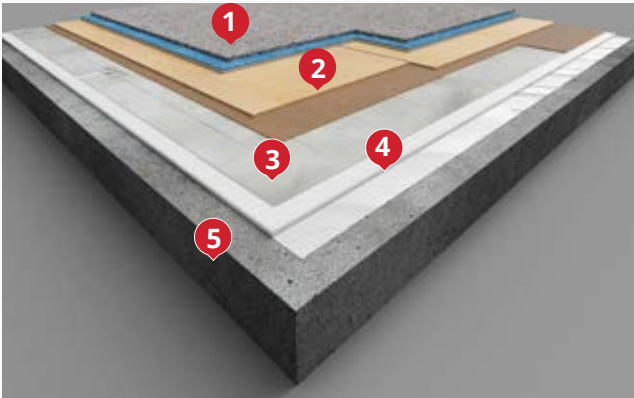
### Low Floor Finish

Consists of a baseboard (3mm) and top board (4mm) with a contact adhesive to bond them together, creating a thin final depth of only 7mm.

### Effective Underfloor Heating

Protects the heating element from damage if the flooring is not laid immediately, whilst also ensuring even heat distribution.

## Typical Floor Build-Up



|   |                                                                                                                                        |
|---|----------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b><br>Compatible floor finishes such as laminate, carpet, linoleum and vinyl flooring                                 |
| 2 | <b>Warmup Dual Overlay™*</b><br>Not suitable for wet areas such as bathrooms or for tile, glued or nailed wood floor finishes flooring |
| 3 | <b>Warmup Foil Heater™</b>                                                                                                             |
| 4 | <b>Warmup Insulated Underlay™</b>                                                                                                      |
| 5 | <b>Pre-insulated Subfloor with a surface regularity of SR1</b>                                                                         |

\*WDO is not required when installing some floating wood or laminate floor finishes

## Technical Specification

| Warmup Insulated Underlay™ |                                                                      |                                         |        |
|----------------------------|----------------------------------------------------------------------|-----------------------------------------|--------|
| Product Code               | WDO (Warmup Dual Overlay™ System)                                    | Bending Strength (kg/cm2)               | > 40   |
| Size                       | 4 Base and 4 Top Boards (Covers 2.88 m2)                             | Humidity (%)                            | 4 - 10 |
|                            | 1200 x 600 mm (+/- 1.5 mm)                                           | Thermal Conductivity (W/m.K)            | 0.114  |
| Thickness                  | Top Board: 4 mm, Base Board: 3 mm Total Thickness: 7 mm (+/- 0.2 mm) | Thermal Resistance (m2.K/W)             | 0.072  |
| Composition                | MDF, coated with an interactive adhesive                             | tog                                     | 0.72   |
| Density (kg/m3)            | 770                                                                  | Fire Class EN 13501 (WDO)               | Bfl    |
| Compressive Strength (kPa) | 1000                                                                 | Fire Class EN 13501 (WDO with 2 mm LVT) | Cfl    |

# Warmup Dual Overlay™ System Price Guide

| Area Covered       | Insulated Underlay System Code                          | Price (Excl. 20% VAT) |
|--------------------|---------------------------------------------------------|-----------------------|
| 2.88m <sup>2</sup> | WDO - Dual Overlay™ System (covers 2.88m <sup>2</sup> ) | £87.8/pk              |

## Frequently Asked Questions

### Is the Dual Overlay™ fixed to the subfloor?

The Warmup Dual Overlay™ is a floating subfloor, it is not fixed to the floor below. It is comprised of a 3mm deep base board and a 4mm deep top board. Both boards have contact adhesive, bonding them together to make one solid subfloor, to which a variety of floor coverings may be fixed. It provides a smooth and seamless subfloor making it suitable for soft and resilient floor coverings such as carpet, vinyl and linoleum. The combined thickness of the Underlay and Dual Overlay™ is 13mm.

### How is it sold?

Each pack contains: 4 base boards & 4 top boards and covers 2.88m<sup>2</sup> of flooring.

### Can I use other Warmup Heaters with the Underlay™/ Dual Overlay™?

The Warmup Underlay™ / Dual Overlay™ systems are designed to work specifically with the Warmup Foil Heater™ only.

Please Note:

\* Cannot be used in wet areas such as bathrooms.

\*\*It is strongly recommended to dry clean carpet flooring laid on Dual Overlay™. Do not steam clean, as this can cause moisture to get into the wood and joints and show through the flooring over time.

# Installation Guide

## (Refer to installation manual for complete instructions)

The Warmup Dual Overlay™ is comprised of a 3mm deep base board and 4mm top board. The bottom and top layers are laid out with staggered joints and arranged so that the top boards overlap the joints in the base boards.

The Warmup Foil Heater™ System lays between the Insulated Underlay™ and Dual Overlay™ System. This method of installation provides a stable surface for the floor finish.

Installation manual for Warmup Dual Overlay™. Always refer to the installation manual prior to commencing your project.



Scan to find out more!





# Water Underfloor Heating

Water, also called wet or hydronic underfloor heating systems are a popular choice for extensions and new-build construction projects. These systems use water for heating, so it can be linked to virtually any heat source from a standard boiler to newer sustainable technologies, such as solar thermal energy or heat pumps.



Scan to  
find out  
more!

Warmup offers you a complete bespoke solution. Warmup water heating systems come specified and supplied with a full set of high-quality components and controls ready for installation. Systems are available in a number of configurations and components to perfectly match your project and budget.

Warmup systems come with a choice of three pipe types: PE-RT, PE-Xa and MLCP. This choice guarantees that you have the best possible system, tailored to your specific installation and budget.

Warmup PE-RT Water pipe carries a lifetime warranty for great Peace of Mind.

Our unique SafetyNet™ installation guarantee means that should you accidentally damage the pipe on site, Warmup will **exchange it free of charge.**



Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

**SAFETYNet™**  
Installation-Guarantee

# Warmup S3 Manifold™

Built from one piece of seamless Stainless Steel. Features significant quality and efficiency developments, raising the benchmark for manifolds in the underfloor heating market.

## Overview

The Warmup S3 Manifold™ range provides flexible zoning and water regulation for 2 to 12 underfloor heating circuits. Supplied complete with Taconova TopMeters, Fill/Drain Valves, Air Vents and a Thermomanometer, it is equipped with all the features needed to commission an underfloor heating system quickly and competently.

Available separately, the Warmup Mixing Unit provides water temperature regulation between 20°C and 60°C, for tailored system performance.

### Thermomanometer

Thermomanometer on the flow arm allows for easy pressure testing, system commissioning and 'at a glance' operational checks thereafter.

### Taconova TopMeter Flow Gauges

Taconova TopMeter flow gauges provide quick, accurate and reliable water regulation.

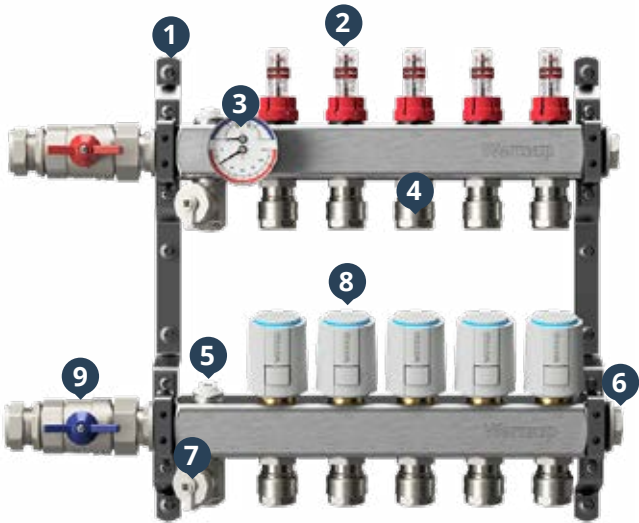
### Actuators

5th Generation Möhlenhoff actuators combine their renowned reliability with just 1W power usage.



Scan to find out more!

## Technical Specifications



|   |                     |   |                  |
|---|---------------------|---|------------------|
| 1 | Mounting Bracket    | 6 | End Cap          |
| 2 | Taconova Flow Gauge | 7 | Fill/Drain Valve |
| 3 | Thermomanometer     | 8 | Actuator 230V 1W |
| 4 | Eurocone Connector  | 9 | Isolation Valves |
| 5 | Manual Air Vent     |   |                  |

## Technical Specification

| Warmup S3 Manifold™     |                           |                        |                           |
|-------------------------|---------------------------|------------------------|---------------------------|
| Material                | 304 Grade Stainless Steel | Flow Gauge Scale       | 0 - 5 l/min               |
| Ports Available         | 2 - 12                    | Measuring Accuracy     | ±10%                      |
| Mixing Temperature      | 20-60°C                   | Port Centres           | 50mm                      |
| Max. Operating Pressure | 6 Bar                     | Standard Pipe Fittings | 12 x 1.6 mm and 16 x 2 mm |
| Max. Test Pressure      | 10 Bar                    | Inlet connections      | 1" F BSP G                |

# Warmup S3™ System

**Excellent engineering - where it is most needed**

The heart of the Warmup's water underfloor heating system is comprised of all top of the range components; the seamless stainless steel S3 manifold, Taconova flow gauges, thermometer/pressure gauge, energy efficient S3 actuator and the S3 mixing unit complete with the whisper quiet Grundfos UPM3 Pump.

## Warmup S3 Taconova Flow Gauges



These strong and robust gauges are some of the most reliable flow meters on the market. They reduce pressure losses and increase performance.

## Warmup S3 Thermometer / Pressure Gauge

Pressure testing is made easier as the gauge is mounted directly on the manifold, saving installation time when multiple manifolds are being used.



## Price Guide S3 Manifolds

| Product Code | Description      | Price (Excl. 20% VAT) |
|--------------|------------------|-----------------------|
| WHS-M-S3-02  | 2 port manifold  | £111.95               |
| WHS-M-S3-03  | 3 port manifold  | £149.99               |
| WHS-M-S3-04  | 4 port manifold  | £170.39               |
| WHS-M-S3-05  | 5 port manifold  | £190.78               |
| WHS-M-S3-06  | 6 port manifold  | £213.60               |
| WHS-M-S3-07  | 7 port manifold  | £234.00               |
| WHS-M-S3-08  | 8 port manifold  | £254.38               |
| WHS-M-S3-09  | 9 port manifold  | £282.04               |
| WHS-M-S3-10  | 10 port manifold | £297.59               |
| WHS-M-S3-11  | 11 port manifold | £315.55               |
| WHS-M-S3-12  | 12 port manifold | £339.18               |



## Warmup S3 Actuator 230V

Actuators are used in combination with the Warmup S3 Manifolds to control the circuit valves. While operational, the actuator consumes less than 1W of power, making it the most efficient actuator in its class.

| Warmup S3 Actuator 230V |                     |                       |                 |
|-------------------------|---------------------|-----------------------|-----------------|
| Operating Voltage       | 220-240V AC 50/60Hz | Operating Temperature | 0 to 60°C       |
| Power                   | 1W                  | De-energized Position | Normally Closed |
| Inrush Current          | max. 550 mA         | Stroke                | 4mm             |
| IP Rating               | IP54                | Storage Temperature   | -25 to 60°C     |

## Warmup S3 Mixing Unit



This top of the range 'whisper quiet' mixing unit is set at a constant pressure curve, so circuits are balanced automatically as zones open and close. Having a built-in pump isolating valve means that there is no need to drain the entire system in the event of pump replacement.

**Approval and Marking: VDE, CE, UKCA**

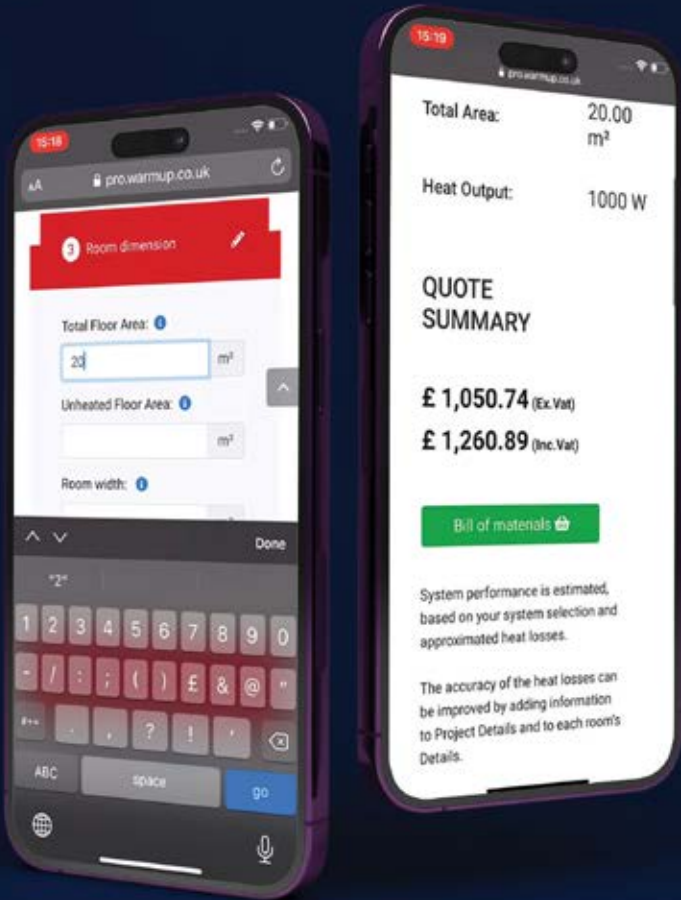
| Warmup Grundfos UPM3 25-70 130 |                     |                        |                                                |
|--------------------------------|---------------------|------------------------|------------------------------------------------|
| Operating Voltage              | 230 V AC; 50Hz      | Minimum Inlet Pressure | 0.05 MPa (0.50 bar) at 95°C liquid temperature |
| Connections                    | G 1½"               | Liquid Temperature     | +2°C to +110°C (TF110)                         |
| Weight                         | 1.9 (kg)            | Enclosure Class        | IP44 (non condensing) K: IPx4D (condensing)    |
| System Pressure                | Max. 1.0 MPa 10 bar | Motor Protection       | No external protection needed                  |

## Price Guide S3 Manifolds Ancillaries

| Product Code      | Description                                                                         | Price (Excl. 20% VAT) |
|-------------------|-------------------------------------------------------------------------------------|-----------------------|
| WHS-P-CONNECT     | 16mm x 2.0mm Pipe Connector                                                         | £2.25                 |
| ACC-CONNECT12x1.6 | 12mm x 1.6mm Pipe Connector                                                         | £2.25                 |
| WHS-M-S3-ACT230   | 230V Actuator                                                                       | £22.00                |
| WHS-M-S3-VALVES   | Manifold valve kit - 1" isolating valve pair, 1" unions & 22mm compression fittings | £33.46                |
| WHS-M-S3-MIX      | Mixing Unit                                                                         | £374.87               |

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**GET  
YOUR  
QUOTE  
TODAY**

# VLo Ultra-12™

## Low Build System



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The VLo Ultra-12™ is the next generation lightweight and robust underfloor heating system from Warmup. The range comprises of 5 panels maximising usability for the installer, with each panel purposely designed to hold the pipe securely across the entire floor.

Designed for use with Warmup's 12mm PE-RT pipe that inserts directly into the board channels for quick and easy installation, the system has been created with speed and efficiency in mind.

### Robust and Efficient Panels

The 18mm thick panels are manufactured from 500 kPa XPS with a declared long term thermal conductivity of 0.034 W/mK - reducing both heat up times and heat loss.

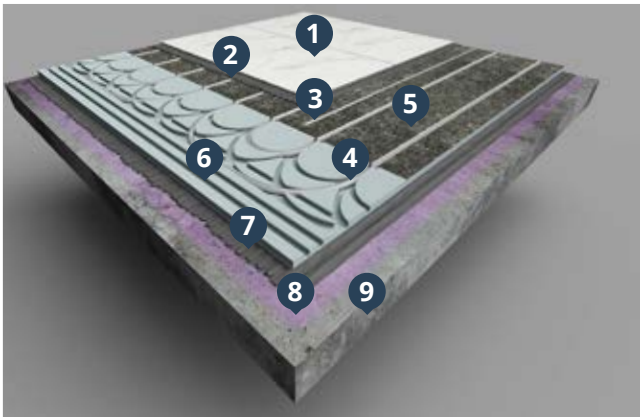
### High System Performance

150µm aluminium foil combined with double serpentine piping ensures there is even and efficient heat output across the floor using low water temperature.

### Low Profile Floor Finish

At 18mm thick VLo Ultra-12™ has minimal impact on floor levels when used with any floor covering - ideal for Retrofits and Off-Plan sales into new builds.

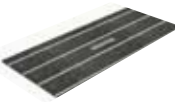
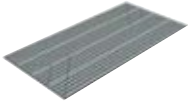
## Typical Floor Build-Up



|   |                                                                                                                                                                     |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Tile Floor Finish</b>                                                                                                                                            |
| 2 | <b>Flexible Tile Adhesive</b><br><i>Tile adhesive used must be compatible with compressible panels such as Ultra-12, e.g. Warmup S2 flexible tile adhesive</i>      |
| 3 | <b>Floor Sensor</b><br><i>Must be recessed into the Ultra-12 panel and taped in position.</i>                                                                       |
| 4 | <b>Warmup 12mm PE-RT Pipe</b>                                                                                                                                       |
| 5 | <b>Ultra-12™ - Straight Panel</b>                                                                                                                                   |
| 6 | <b>Ultra-12™ - Curve Panel</b>                                                                                                                                      |
| 7 | <b>Flexible Tile Adhesive</b><br><i>e.g. Warmup S1/S2 flexible tile adhesive for wet or dry areas or compatible high temperature acrylic adhesive for dry areas</i> |
| 8 | <b>Warmup Primer</b><br><i>Refer to tile adhesive manufacturers instructions for priming requirements</i>                                                           |
| 9 | <b>Subfloor With Surface Regularity Of SR1</b>                                                                                                                      |

## Technical Specification

| Warmup Ultra-12 Panels - Foam Component |                 |                                               |             |
|-----------------------------------------|-----------------|-----------------------------------------------|-------------|
| Density                                 | 50 kg/m³        | Coefficient of linear expansion               | 0.07 mm/mK  |
| Thermal Conductivity                    | 0.034W/mK       | Water Vapour Diffusion Resistivity factor (µ) | 110 – 225   |
| Compressive Strength (10% deflection)   | 500kN/m²        | Fire Behaviour                                | Euroclass E |
| Water Absorption (2-day immersion)      | <1.0% by volume | ODP (Ozone Depleting Potential)               | Zero        |
| Water Absorption (Capillary)            | Zero            | GWP (Global Warming Potential)                | < 0.29      |

| System Components             |                                                            |                                                                                   |
|-------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Straight Panel</b>         | Used to provide heating                                    |   |
| <b>Curve Panel</b>            | Used at the end of main panels to turn around the pipework |  |
| <b>Straight Service Panel</b> | Used to feed the pipework back to manifold                 |  |
| <b>Curve Service Panel</b>    | Used to feed the pipework around corners and obstacles     |  |
| <b>Plain Panel</b>            | Used for areas where no UFH is required                    |  |

Frequently Asked Questions

What are the benefits of using the VLo Ultra-12™ Low Build System?

The VLo Ultra-12™ Low Build System offers a number of benefits, including little impact on floor levels with an 18mm build-up that is perfect for home renovations, a dedicated insulated panel type suitable for any room size and shape, and the ability to be used with any floor finish thanks to its recycled fleece decoupling layer. It is also an ideal Hydronic System for projects of all sizes as it features energy-efficient technology with low running costs, and can be used with both traditional boilers and heat pumps.

What is the build-up of the Ultra-12 System?

The Ultra-12 System has an 18mm build-up, making it perfect for home renovations as it requires very little adjustment to existing floor levels. This low-weight construction also provides an easy and hassle-free installation.

Is the Ultra-12 System suitable for all floor finishes?

Yes, the Ultra-12 System is suitable for all floor finishes, including solid and engineered wood, ceramic or stone floors, vinyl, and carpet. This is thanks to its recycled fleece decoupling layer, which provides a secure installation no matter the floor finish.

Is the Ultra-12 System energy-efficient?

Yes, the Ultra-12 System is energy-efficient and can be used with both traditional boilers and heat pumps. Its unique design makes it particularly suitable for projects with uninsulated floors, offering low running costs and an efficient heating solution.

What type of insulation does the Ultra-12 System have?

The Ultra-12 System features built-in high-quality insulation and a 150µm diffuser for efficient heat spread. This ensures that the heat is evenly distributed throughout the room, providing a comfortable and responsive heating solution.

What type of warranty comes with the Ultra-12 System?

The Ultra-12 System comes with a SafetyNet™ Installation Guarantee, which covers any accidental damage to the underfloor heating pipe during installation. The system also comes with a Lifetime Limited Warranty when installed with Warmup PEX-a pipe, ensuring peace of mind that your system is fully protected.

Yes, the Ultra-12 System is suitable for all floor finishes, including solid and engineered wood, ceramic or stone floors, vinyl, and carpet. This is thanks to its recycled fleece decoupling layer, which provides a secure installation no matter the floor finish.

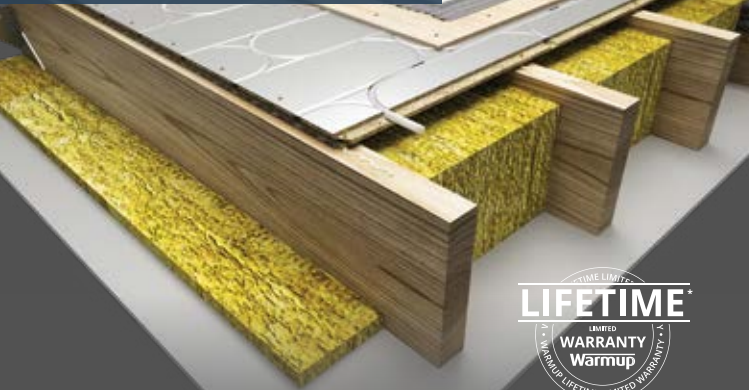


Scan to find out more!

Installation manual of Ultra 12™ Hydro System. Always refer to the installation manual prior to commencing your project.



# VLo Econna-12™ Joisted Floor System



Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Econna-12™ is designed for use over both battened and joisted floors leaving the void between them free for other services. The profiled 22mm thick chipboard panels can be installed over battens or joists with spacings of up to 600mm centres.

The Econna-12™ system is ideal for new and old floors alike but when planning to refurbish an existing floor it can be difficult to know what you will find without lifting the floor up first.

The Econna-12™ system is simply installed over the unknown in place of a standard floor deck rather than competing for space with the other services within the void beneath.

### ✓ Even Heat Distribution

Boards with built in diffusers for quick and easy installation that provides even heat distribuion across the entire floor.

### ✓ For Timber Suspended & Battened Floors

Excellent heat output when using low water temperatures alongside rapid response times to heating demand.

### ✓ Fluted Grooves Panel Edges

"Fluted" exit on panel edges to ensure an easy transition into the neighbouring panel - for a quicker and simpler installation.

## Typical Floor Build-Up



|   |                                                                                                                                                                                  |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor finish</b>                                                                                                                                                              |
| 2 | <b>6 mm Minimum Plywood Deck</b><br><i>This layer must be glued and screwed to complete the structural deck.</i>                                                                 |
| 3 | <b>Warmup 12 mm PE-RT Pipe</b>                                                                                                                                                   |
| 4 | <b>Floor sensor</b><br><i>Tab tape the sensor to the membrane. Do not tape over the sensor tip!</i>                                                                              |
| 5 | <b>Econna Panels</b><br><i>Panels secured together using a D4 adhesive on BOTH sides of the tongue and groove and fit together. Panels then glued and screwed to the joists.</i> |
| 6 | <b>Joists ≤ 600 mm Centres</b><br><i>Refer to tiling standards for maximum joist centres for floors to receive tiles.</i>                                                        |
| 7 | <b>Insulation Layer</b><br><i>Thickness in line with building regulations</i>                                                                                                    |
| 8 | <b>Flow and Return Pipes</b>                                                                                                                                                     |

## Technical Specification

| Warmup VLo Econna-12™ |                                                               |                             |                          |
|-----------------------|---------------------------------------------------------------|-----------------------------|--------------------------|
| Product Code          | UK-WUK-HY-EC-PANEL                                            | Pipe Centres                | 150 mm                   |
| Dimensions            | 2400 mm x 600 mm                                              | Weight With Water & 6mm ply | Approx. 14 kg/m²         |
| Thickness             | 22 mm                                                         | Thermal Conductivity        | 0.12 W/mK                |
| Composition           | Routed P5 grade chipboard with aluminium heat diffuser strips | Soft Body Impact            | Pass - EN 12871          |
| Installation Height   | 22mm (+ 6 mm ply layer)                                       | Concentrat-ed Load          | Qk, max 1.91kN BS 6399-1 |

# Frequently Asked Questions

## What is the VLo Econna-12™ Joisted Floor System?

The VLo Econna-12™ Joisted Floor System is an optimised hydronic heating system designed for use with battened or joisted floors. It is ideal for period home renovation projects, as it offers an energy-saving technology with faster heat-up times and no screeding required. The low-profile design uses a 12mm heating pipe which is built into the structural floor, while the 22mm chipboard panels feature a fluted exit for a rapid installation. There is also a diffusion layer to ensure an even heat distribution, so there are no hot or cold spots.

## What is the warranty on the VLo Econna-12™ Joisted Floor System?

The pipe comes with a Limited Lifetime Warranty, and if you accidentally damage the underfloor heating pipe during installation, Warmup offers a SafetyNet™ Installation Guarantee which covers the replacement of the same size and type of pipe.

## How does the VLo Econna-12™ Joisted Floor System work?

The low-profile design uses a 12mm heating pipe which is built into the structural floor, making sure there will be no overheating of the floor finish. Its 22mm chipboard panels can be installed over battens or joists with spacings of up to 600mm centres and feature a fluted exit to ensure an easy transition into the neighbouring panel. With no screeding required, the universal panels hold the heating pipe in the optimal position; simply glue and screw down the boards, place the pipes within the grooves and then apply a 6mm ply on top prior to fitting the floor finish.

## What is the diffusion layer for?

The diffusion layer facilitates an even heat distribution, so there are no hot or cold spots. The layer is a thin sheet of material (usually aluminium foil) that is placed between the heating pipes and the floor finish. It helps to evenly spread the heat generated by the pipes, resulting in a more comfortable and energy-efficient heating system.

Installation for Warmup Econna-12 Hydro System. Always refer to the installation manual prior to commencing your project.



Scan to find out more!





# VLo Nexxa-12™ Castellated System



**SAFETY Net™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

Warmup Nexxa-12™ is a lightweight and flexible self-adhesive underfloor heating installation system. Developed to secure 12mm pipe for even temperature distribution, the system can be fitted by a single installer and allows for lateral and diagonal pipe spacing. The rigid and compact design ensures a low floor finish, making it ideal for retrofit or new build homes. Suitable to be laid below all flooring types, the panels require no overboarding whilst covering irregular surfaces better thanks to its flexibility.

### ✓ Easy Installation

Made from an environmentally friendly and recycled polystyrene that can be installed easily and around existing objects.

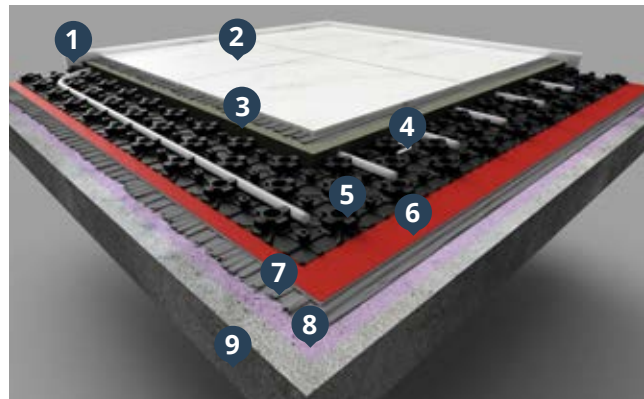
### ✓ Excellent Thermal Properties

Excellent heat output when using low water temperatures alongside rapid response times to heating demand.

### ✓ For All Floor Finishes

Suitable to be laid directly under all types of flooring and over existing insulated flooring.

## Typical Floor Build-Up



|   |                                                                                                                                                                                                                                                      |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Warmup Perimeter Strip</b>                                                                                                                                                                                                                        |
| 2 | <b>Floor Finish</b>                                                                                                                                                                                                                                  |
| 3 | <b>22mm Levelling Compound</b><br><i>The 22mm layer is measured from the base of the membrane. Levelling compound used must be compatible with plastic underlayments such as Nexxa-12. The levelling compound must be applied as a single layer.</i> |
| 4 | <b>Floor Sensor</b><br><i>Tab tape the sensor to the membrane. Do not tape over the sensor tip!</i>                                                                                                                                                  |
| 5 | <b>Nexxa-12™ Membrane</b>                                                                                                                                                                                                                            |
| 6 | <b>Warmup Ultralight™ (Optional)</b><br><i>Adding Warmup Ultralight™ below the membrane can help improve the response time of the system, particularly when installing over screed or concrete.</i>                                                  |
| 7 | <b>Flexible Tile Adhesive (Optional)</b><br><i>Required if installing Warmup Ultralight™</i>                                                                                                                                                         |
| 8 | <b>Warmup Primer</b><br><i>Refer to tile adhesive manufacturers instructions for priming requirements</i>                                                                                                                                            |
| 9 | <b>Subfloor Surface Regularity of SR2*</b>                                                                                                                                                                                                           |

## Technical Specification

| Warmup VLo Nexxa-12™            |                                           |                          |                                         |
|---------------------------------|-------------------------------------------|--------------------------|-----------------------------------------|
| Product Code                    | RNX-PANEL                                 | Pipe Orientation         | 0° / 90° / 45° / - 45°                  |
| Dimensions                      | 16 x 650 x 1050 mm                        | Pipe Bend Radius         | 75 mm                                   |
| Active Area                     | 0.6 m²                                    | Single Row Stagger       | Yes (Remove / crush castellation first) |
| Double Up / Interlock On Pallet | Yes                                       | Supported Pipe Diameters | 10 - 12 mm                              |
| Self-Adhesive                   | Yes                                       | Cuttable                 | Yes                                     |
| Pipe Spacing Increments         | Immediate: 50mm<br>Diagonal: 43 mm / 70mm |                          |                                         |

# Frequently Asked Questions

## What is the VLo Nexxa-12™ Castellated System?

The VLo Nexxa-12™ Castellated System is a low-profile hydronic underfloor heating system featuring a unique castellated membrane for precision heat control. It offers fast response times and an excellent heat output (70W/m<sup>2</sup> for timber floors at 40°C water temperature), making it a great choice for refurbishment projects with insulated floors.

## What is the purpose of the castellated membrane?

The castellated membrane facilitates an optimal heating layout and allows a clear and repeatable installation method for larger projects. It allows the 12mm PE-RT heating pipe to be simply clipped into place, and the layout of the heated area can be personalised based on the project's needs.

## How is the VLo Nexxa-12™ Castellated System installed?

The Nexxa-12 panels are self-adhesive, bonding directly to a smoothed and primed subfloor, making them quick to lay with no waiting around for drying time. Once laid, the 12mm PE-RT heating pipe can be simply clipped into place within the castellated membrane, and an appropriate levelling compound can be poured to a thickness of 22mm. Insulation should be installed underneath the Nexxa-12 panels to ensure rapid heat up times and reduce energy usage.

## What is the warranty on the VLo Nexxa-12™ Castellated System?

The pipe comes with a Limited Lifetime Warranty™, and if you accidentally damage the underfloor heating pipe during installation, it can be replaced with the same size and make of pipe for free. In addition, Warmup offers a SafetyNet™ Installation Guarantee which covers the replacement of the same size and make of pipe in the event it is damaged during installation.

## How do I prepare the floors for installation?

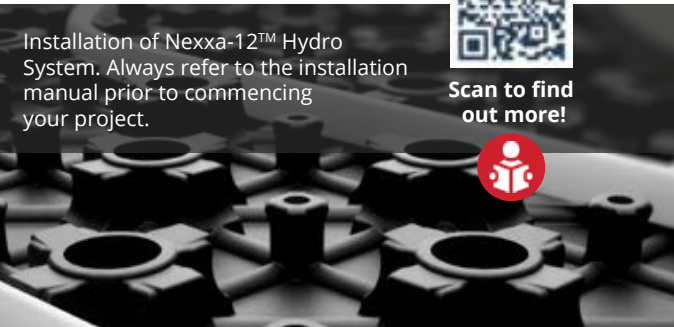
Warmup Primer is a ready to use, bond enhancing and solvent-free single component primer that is ideal for use before laying Warmup Peel and Stick systems, levelling compounds and tile adhesives. It is suitable for use as a deep penetrating primer on absorbent surfaces and should be applied before the Nexxa-12 system is installed.



Scan to find out more!

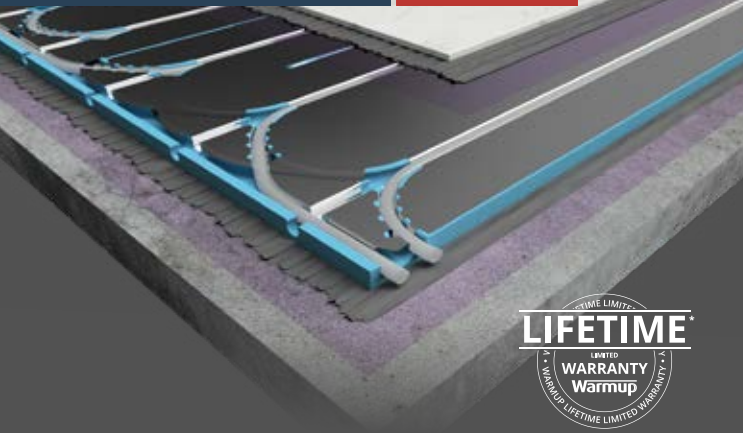


Installation of Nexxa-12™ Hydro System. Always refer to the installation manual prior to commencing your project.



# Lo-16™ Low-Profile System

**NEW  
PRODUCT**



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

Exceptional Performance. Exceptional Value. Warmup's Lo-16 low-profile water underfloor heating system provides a reliable, efficient heating performance. Featuring robust 500kPa in-built XPS insulation and a continuous 200µm aluminium diffuser, Warmup's Lo-16 System delivers up to +19% higher heat output than comparable systems on the market. Offering great value-for-money, its low-profile design and screedless installation makes it ideal for renovation projects.

### ✓ Robust Floor Protection

Warmup Lo-16 features in-built 500kPa closed cell XPS insulation with a high compressive strength to protect floors from stress cracks.

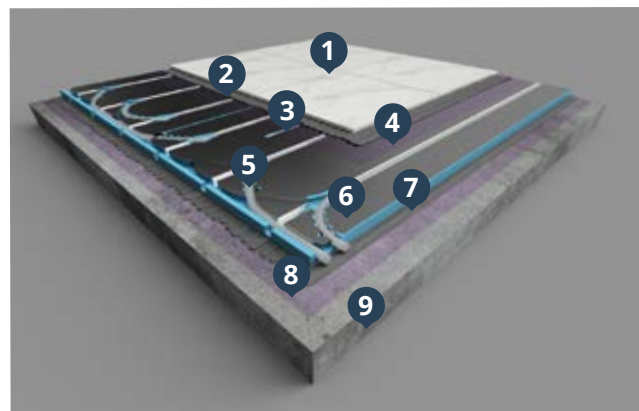
### ✓ Superior Heat Output

Warmup Lo-16 provides up to +19% higher heat output than comparable systems through its continuous, 200µm thick aluminium diffuser.

### ✓ Great value for money

Utilising Warmup's 16mm PE-RT heating pipe, Lo-16's 200mm pipe-spacing centres reduces pipe usage whilst providing a broader heat coverage and allowing use of smaller manifolds, delivering high performance heating for a lower price.

## Typical Floor Build-Up



### 1 Tile Floor Finish

#### Flexible Tile Adhesive

2 Tile adhesive used must be compatible with compressible panels such as Lo-16, e.g. Warmup S2 flexible tile adhesive

#### 3 Floor sensor

Must be recessed into the Lo-16 panel and taped in position.

#### Warmup Primer [ACC-PRIMER]

4 Diffuser plates require priming to ensure proper adhesion of tile adhesive Lo-16, e.g. Warmup S2 flexible tile adhesive

#### 5 Warmup 16 mm PE-RT pipe

#### 6 Universal Heating Panel

#### Flexible tile adhesive

7 e.g. Warmup S2 flexible tile adhesive for wet or dry areas or compatible high temperature acrylic adhesive for dry areas

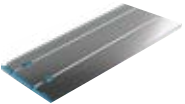
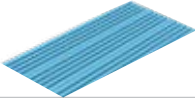
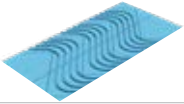
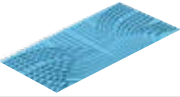
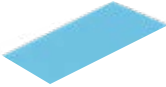
#### 8 Warmup Primer [ACC-PRIMER]

Refer to tile adhesive manufacturers instructions for priming requirements

#### 9 Subfloor with a Surface Regularity of SR1

## Technical Specification

| Warmup Lo-16 Panels - Foam Component  |                      |                                 |               |
|---------------------------------------|----------------------|---------------------------------|---------------|
| Density                               | 32 kg/m <sup>3</sup> | Coefficient of linear expansion | 0.07 mm/mK    |
| Thermal Conductivity                  | 0.033W/mK            | Water Vapour Permeability       | 3.2 ng/pa.m.s |
| Compressive Strength (10% deflection) | 500kN/m <sup>2</sup> | Fire Behaviour                  | Euroclass F   |
| Water Absorption (2-day immersion)    | <1.0% by volume      | Water Absorption (Capillary)    | Zero          |

| System Components                 |                                                                                              |                                                                                   |
|-----------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Universal Panel                   | Main heating panel featuring continuous 200 µm aluminium diffuser pressed into omega-grooves |   |
| Straight Service Panel            | Routes pipework back to the manifold                                                         |  |
| Curve Service Panel               | Feeds pipework around corners; includes pre-sliced Finger Design for tight bends             |  |
| Manifold Panel (Warmup exclusive) | Dedicated zone for pipe connection to manifold, no manual cutting required                   |  |
| Plain Panel                       | For areas where no UFH is required                                                           |  |

## Frequently Asked Questions

### What are the benefits of Lo-16?

Lo-16 offers a low 25 mm build-up, screedless installation, 500 kPa compressive strength, and up to +19% higher heat output through its continuous aluminium diffuser. It provides a high-performance, cost-efficient solution ideal for renovations, retrofits, and low-temperature heat sources such as heat pumps.

### Is the system suitable for all floor finishes?

Yes. Lo-16 works with tile, stone, LVT, engineered wood, and laminate. Overboarding layers (e.g., HiDECK 18) may be added where required depending on the floor finish.

### What type of insulation does Lo-16 use?

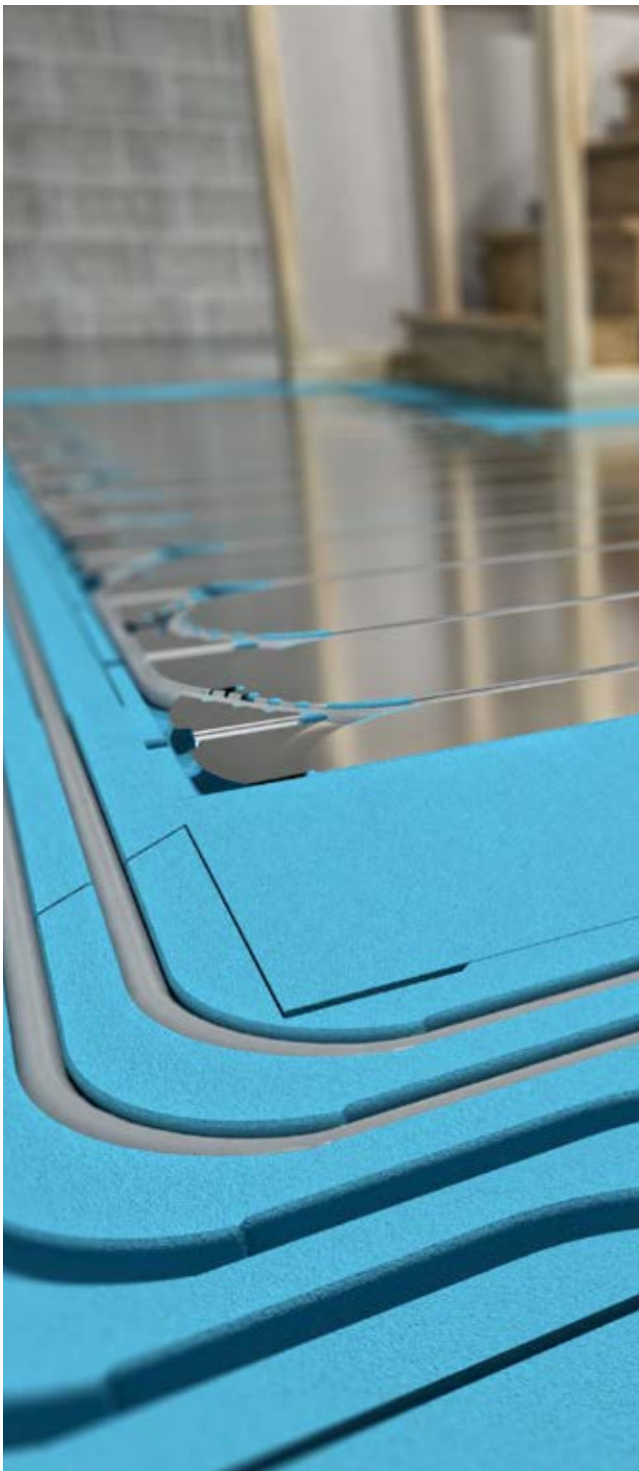
Lo-16 features 500 kPa closed-cell moisture-resistant XPS insulation, offering superior compressive strength and long-term durability compared to EPS alternatives.

### What type of warranty is included?

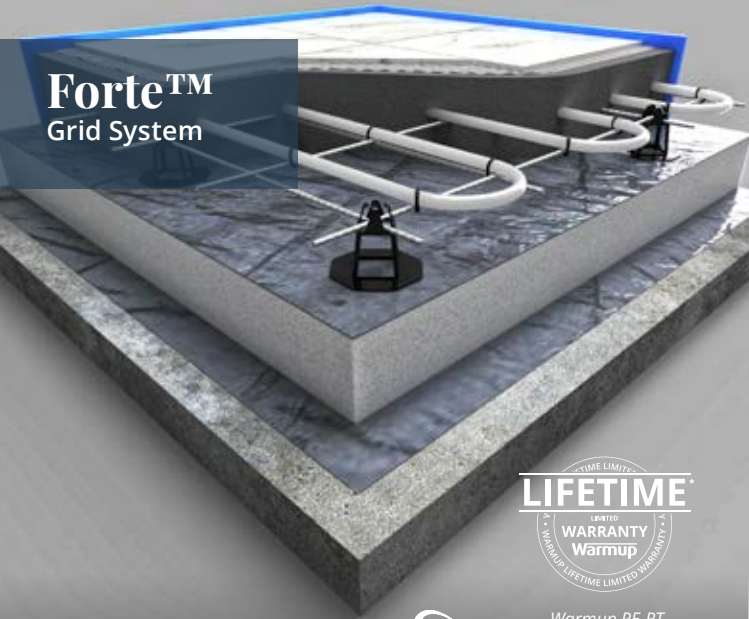
Lo-16 is protected by Warmup's SafetyNet™ Installation Guarantee and benefits from a Lifetime Limited Warranty when installed with Warmup 16 mm PE-RT pipe.

### Is the system energy-efficient?

Yes. Lo-16's aluminium diffuser and 200 mm pipe spacing maximise thermal efficiency, enabling lower water temperatures and reducing running costs, perfect for heat pumps and modern boilers.



# Forte™ Grid System



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Forte™ system is a heavy-duty hydronic underfloor heating solution for load-bearing structural floors and can be installed using Warmup's 16 mm PE-RT heating pipe.

The Forte™ System is quick and simple to install with the pipe simply zip tied to the reinforcement being used. Once in place the pipe is resilient to disruption on site and suitable to receive a power floated concrete floor.

### ✓ For a Variety of Floor Finishes

The system is suitable for almost any floor finish, in particular where the flooring is for a commercial application, such as epoxy paint or resin.

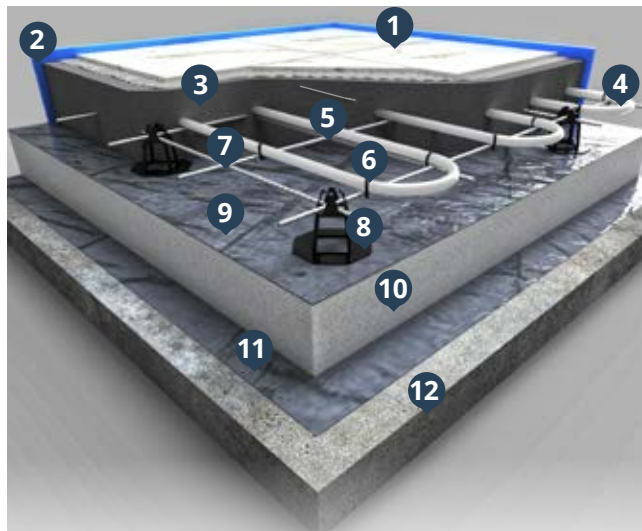
### ✓ For New-Build Projects

Designed for a secure installation in large-scale new-build construction projects with screed and concrete subfloors.

### ✓ Fastened To Reinforced Bars

The heat diffusion of the steel reinforcement means the Forte™ System typically emits 5-10% more heat than a system without reinforcement.

## Typical Floor Build-Up



|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| 1  | <b>Floor Finish</b>                                                                                        |
| 2  | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3  | <b>Concrete Layer</b>                                                                                      |
| 4  | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 5  | <b>Floor Sensor</b><br><i>Tab tape the sensor to the subfloor. Do not tape over the sensor tip!</i>        |
| 6  | <b>Warmup Zip Ties</b>                                                                                     |
| 7  | <b>Reinforcement Mesh</b>                                                                                  |
| 8  | <b>Reinforcement Mesh Supports</b>                                                                         |
| 9  | <b>Vapour Control Layer (VCL)</b><br><i>To prevent the insulation absorbing moisture from the screed</i>   |
| 10 | <b>Insulation Layer</b>                                                                                    |
| 11 | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 12 | <b>Concrete subfloor</b>                                                                                   |

## Frequently Asked Questions

### What type of subfloors is the Forte™ Grid System suitable for?

The Forte™ Grid System is designed for installation into load-bearing structural floors, such as reinforced concrete and screed subfloors. The system is also suitable for almost any floor finish, particularly for commercial applications such as epoxy paint.

## How is the Forte™ Grid System installed?

The Forte™ Grid System is installed by fastening the underfloor heating pipework to the reinforced bars using cable ties. To ensure the most heat-responsive floor, the pipe can be installed in the centre of the concrete zone.

## What are the key benefits of the Forte™ Grid System?

The key benefits of the Forte™ Grid System include fastening the pipe to the reinforced bars without impacting the integrity of the floor, and being designed for secure installation in large-scale new-build projects with screed and concrete subfloors.

## What is the Warmup SafetyNet™ Installation Guarantee?

The Warmup SafetyNet™ Installation Guarantee is a guarantee offered by Warmup to replace any underfloor heating pipe that is accidentally damaged during installation with the same size and type of pipe for free.

## Is the Forte™ Grid System suitable for new-build projects?

Yes, the Forte™ Grid System is designed for new-build construction projects where there is a large floor space to be heated. The reinforced wire grid bars and cable ties provide secure fastening for the heating pipes.

## Does the Forte™ Grid System come with a guarantee or warranty?

Yes, the length of the warranty period depends on the type of pipe you choose. When you install this system with the Warmup PEX-a pipe, the pipe comes with a Limited Lifetime Warranty.



# Clypso™

## Floating Screeded System



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Clypso™ System is designed for use within floating screeded floors. Clypso™ can be installed under either 65 - 75mm sand and cement screed or proprietary screeds down to 35mm thick.

The system comprises of 16mm PE-RT pipe that is held in place by Warmup clips secured to the insulation layer below. A grid-membrane is available from Warmup to make quick and accurate fixing easier to achieve.

### ✓ For a Variety of Floor Finishes

The Clypso™ system can be installed with almost any floor finish and in particular where the flooring may be replaced from time to time.

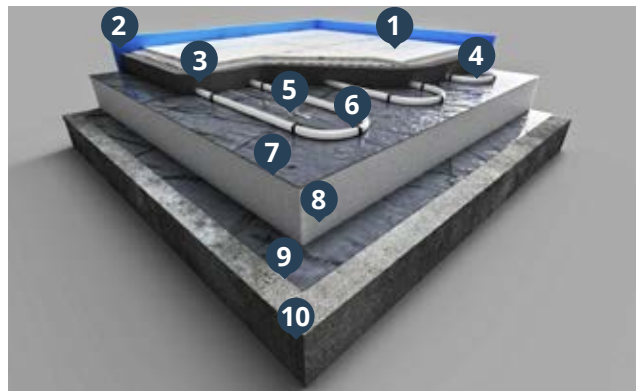
### ✓ Ideal For New Builds

A quick and simple installation into a new screed floor with no impact on finished floor height.

### ✓ Flexible Pipe Placement

The Clypso™ system suits irregular shaped rooms with curved walls, nooks and obstacles are handled with ease.

## Typical Floor Build-Up



|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| 1  | <b>Floor Finish</b>                                                                                        |
| 2  | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3  | <b>Screed Layer</b>                                                                                        |
| 4  | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 5  | <b>Floor Sensor</b><br><i>Tab tape the sensor to the subfloor. Do not tape over the sensor tip!</i>        |
| 6  | <b>Warmup Clips</b>                                                                                        |
| 7  | <b>Vapour Control Layer (VCL)</b><br><i>To prevent the insulation absorbing moisture from the screed</i>   |
| 8  | <b>Insulation Layer</b>                                                                                    |
| 9  | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 10 | <b>Concrete subfloor</b>                                                                                   |

## Technical Specification

| Typical Screed Types and Minimum Thickness over Clypso™ |                        |                  |
|---------------------------------------------------------|------------------------|------------------|
| Screed Type                                             | Minimum Thickness (mm) | Standard         |
| Traditional cementitious sand/cement                    | 70 (65)                | BS 8204-1        |
| Traditional calcium sulfate                             | 40                     | CIRIA Report 184 |
| Pumpable self-smoothing calcium sulfate                 | 40 (35)                | BS 8204-7        |
| Pumpable self-smoothing cementitious                    | 40 (35)                | BS 8204-7        |

The table above shows different screed materials used and minimum thicknesses required for use with underfloor heating systems. Domestic measurements are in brackets. This table is for guidance only, screed layers used over Warmup Clypso™ must be chosen and installed in line with the latest edition of building regulations and standards.

# Frequently Asked Questions

## What is the Clypso™ System?

The Clypso™ System is a hydronic underfloor heating system from Warmup that comprises of heating pipes, and pipe staples. It is designed for use within floating screeded floors and does not affect the depth of a floor's construction. The pipes are secured to the floors insulation panels using the staples before covering with screed.

## Can installation be made quicker?

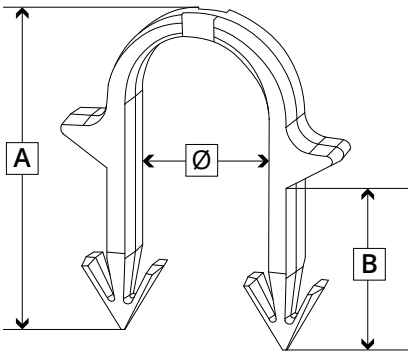
Warmup has a woven polypropylene membrane which can be used in place of a standard Vapor Control Layer. It is white with grid printed on the surface. The grid has 100mm major and 50mm minor intervals on it that allow the installation to be done quickly and precisely without the need to take regular measurements.

## What type of insulation is used in the system?

The panels used in the system are constructed from either PIR (polyisocyanurate) or expanded polystyrene insulation with a vapour control layer installed over their surface. This ensures that the insulation is waterproof and durable, and will protect the underfloor heating pipes from the wet screed.

## What is the SafetyNet™ Installation Guarantee?

The SafetyNet™ Installation Guarantee from Warmup guarantees that if you accidentally damage the underfloor heating pipe during installation, they will replace it with the same size and make of pipe for free. This guarantees a safe and secure installation of the system and provides peace of mind for the installer.



Warmup Clips

| Code       | Composition         | A (mm) | B (mm) | Max. Ø (mm) |
|------------|---------------------|--------|--------|-------------|
| WHS-CL-T40 | Polypropylene clips | 40     | 20     | 20          |
| WHS-CL-T60 |                     | 57     | 37     | 20          |



Installation of Warmup Clypso™ Hydro System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



# Metro Rail™

Bonded and Floating  
Screed Floor System



**SAFETY Net™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Metro™ System is designed for use within either a floating or a bonded screed floor. The Metro™ Rail allows for quick, consistently spaced installation of the 16 mm PE-RT pipe prior to laying either a standard or a proprietary screed.

The Metro™ rails have clips spaced at 50 mm intervals, enabling the pipe to be fitted with a level of installation precision which is difficult to achieve with the Clypsio™ System.

### For a Variety of Floor Finishes

The Metro™ system can be installed with almost any floor finish and in particular where the flooring may be replaced from time to time.

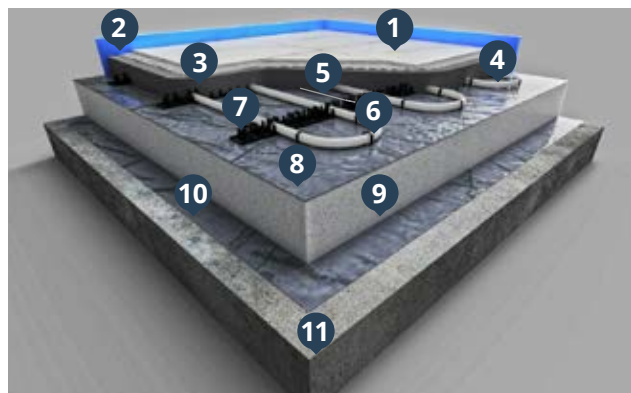
### Perfect for Screed and Concrete Subfloors

A great choice for a hydronic heating solution in new-build projects.

### Specially Designed Rails to Hold the Pipe

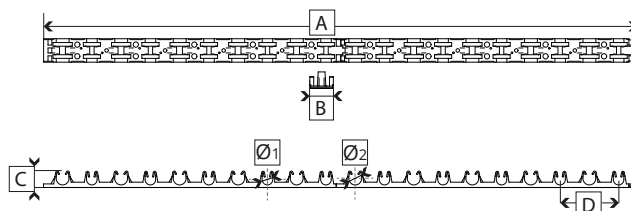
The Metro™ rail utilises a track that fixes to the insulation, holding the 16 mm PE-RT pipe at the correct level prior to screeding to ensure there are no hot spots.

## Typical Floor Build-Up

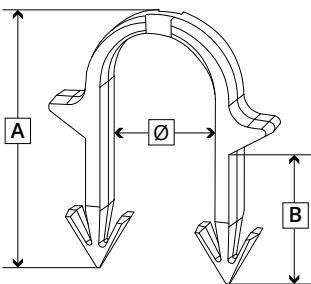


|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| 1  | <b>Floor Finish</b>                                                                                        |
| 2  | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3  | <b>Screed Layer</b>                                                                                        |
| 4  | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 5  | <b>Floor Sensor</b><br><i>Tab tape the sensor to the subfloor. Do not tape over the sensor tip!</i>        |
| 6  | <b>Warmup Clips</b>                                                                                        |
| 7  | <b>Warmup Metro™ Rail</b>                                                                                  |
| 8  | <b>Vapour Control Layer (VCL)</b><br><i>To prevent the insulation absorbing moisture from the screed</i>   |
| 9  | <b>Insulation Layer</b>                                                                                    |
| 10 | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 11 | <b>Concrete subfloor</b>                                                                                   |

## Technical Specification



| Warmup Metro™ Rail |                                                   |                     |                    |                     |                           |                       |
|--------------------|---------------------------------------------------|---------------------|--------------------|---------------------|---------------------------|-----------------------|
| Code               | Composition                                       | Length<br>A<br>(mm) | Width<br>B<br>(mm) | Height<br>C<br>(mm) | Pipe<br>Centres<br>D (mm) | Max Ø1:<br>Ø2<br>(mm) |
| WHS-MT-<br>RAIL01  | Polypropylene rails<br>with self-adhesive<br>back | 516                 | 40                 | 27.5                | 100                       | 16 - 18:<br>20 - 22   |



#### Warmup Clips

| Code       | Composition         | A (mm) | B (mm) | Max. Ø (mm) |
|------------|---------------------|--------|--------|-------------|
| WHS-CL-T40 | Polypropylene clips | 40     | 20     | 20          |
| WHS-CL-T60 |                     | 57     | 37     | 20          |

## Frequently Asked Questions

### What type of floor is the Metro™ Rail System designed for?

The Metro™ Rail System is designed for use with either a floating or a bonded screed floor. It utilises a track that fixes to the insulation to securely hold the heating pipes in place, in an optimal layout. It is ideal for use with either floating or bonded screed floors and offers a quick and efficient installation.

### What type of insulation is recommended for use with the system?

The system is recommended to be installed with EPS, XPS or PIR insulation and a plastic membrane, which acts as a moisture barrier. The insulation is designed to keep the heat in the floor and protect the pipes against any damage.

### What type of heating pipe is used with the system?

The system is suitable for almost any floor finish, in particular where the flooring (wood, carpet or vinyl) may be replaced from time to time.

### What is the recommended spacing for the pipes?

The rail and insulation are separated by a plastic membrane, which acts as a moisture barrier. The Metro Rail System allows pipes to be spaced at 150mm intervals, allowing for faster heat-up response times.

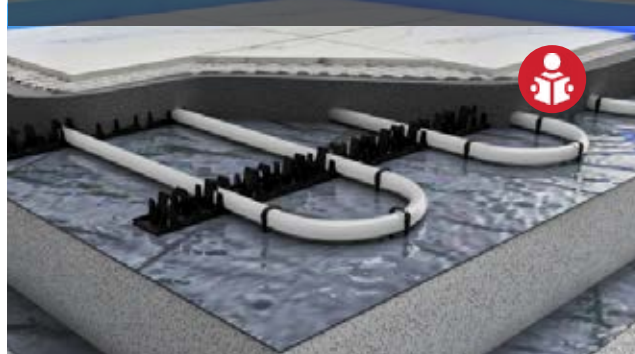
### Is there a warranty for the installation of the system?

Yes, Warmup offers a SafetyNet™ Installation Guarantee, which covers accidental damage to the heating pipe during installation. If you accidentally damage the underfloor heating pipe during installation, return it to Warmup and they will replace it with the same size and make of pipe for free.

Installation of Warmup Metro™ Rail Hydro System. Always refer to the installation manual prior to commencing your project.



Scan to find out more!



# Nexxa™

## Castellated Panel System



**SAFETY Net™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Nexxa™ system enables the most precise installation of underfloor heating within a floating screeded floor. Regular castellations grip the pipe preventing both horizontal and vertical movement and allowing any future floor fixings to be made with confidence.

Because the Nexxa™ regularly constrain the pipe the additional 5mm of screed that is normally required to ensure suitable screed coverage over the pipe is no longer required. This will affect all screeds but for calcium sulphate screeds which requires a minimum cover of 25mm over the pipework, this reduces the screed depth by 10%.

### ✓ Rapid Response To Heating Demand

Laminated backing of 10mm EPS insulation provides added strength to the panels and ensures a rapid response to heating demand.

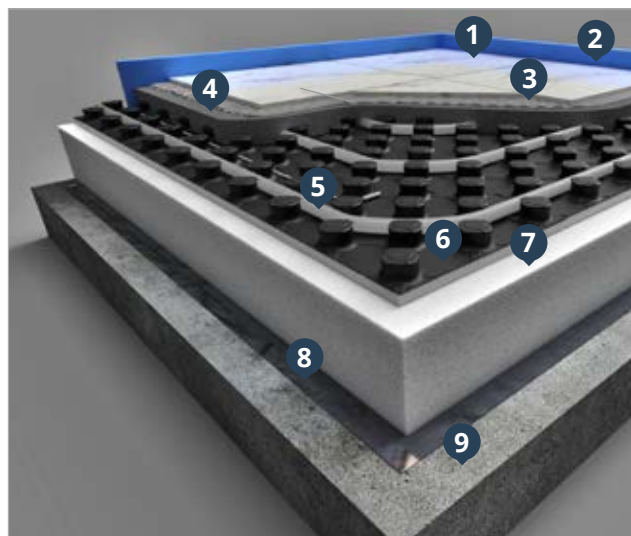
### ✓ Best with Thin Screeds

Nexxa panels are just 30mm high, inclusive of a 10mm EPS backing. with pipes securely and precisely located within the panels, thin screeds can be used with confidence.

### ✓ Panels Interlocked

The edges are overlapped by 75mm, inter-locking them to form a continuous layer. It can substantially reduce the overall build-up of the floor structure.

## Typical Floor Build-Up



|   |                                                                                                            |
|---|------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b>                                                                                        |
| 2 | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3 | <b>Flexible Adhesive</b>                                                                                   |
| 4 | <b>65-75mm Sand &amp; Cement Screed or proprietary screed</b>                                              |
| 5 | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 6 | <b>Nexxa™ Panels</b>                                                                                       |
| 7 | <b>Rigid Insulation</b>                                                                                    |
| 8 | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 9 | <b>Concrete subfloor</b>                                                                                   |

## Technical Specification

| Warmup Nexxa Panel        |              |                             |             |
|---------------------------|--------------|-----------------------------|-------------|
| Product Code              | WHS-TL-ALU10 | Thermal Conductivity @ 10°C | 0.035 W/mK  |
| Dimensions                | 1400 x 800mm | R-Value                     | 0.31 m² K/W |
| Thickness                 | 30mm         | Fire Class EN 13501-1       | E           |
| Compressive Strength @10% | 75 kPa       |                             |             |

# Frequently Asked Questions

## What is the Warmup Nexxa™ Panel System?

The Warmup Nexxa Panel System is an underfloor heating system that enables precise installation within a floating screeded floor. It offers a choice of insulated or un-insulated panel, securely locates and holds the heating pipes in place before screeding, and requires no clips during installation.

## What are the key benefits of the Nexxa Panel System?

The key benefits of the Nexxa Panel System include an insulated panel, secure pipework before screeding, self-retaining system with no clips required, and holds the pipe at the correct level prior to screeding to ensure there are no hot spots.

## What type of screed is recommended for use with the Nexxa Panel System?

Instamatic UltraTile is recommended for use with the Nexxa Panel System as it provides one of the best screeds on the market for this purpose.

## Does the Nexxa Panel System provide a guarantee or warranty?

Yes, Warmup offers a Safety Net Installation Guarantee. If you accidentally damage the underfloor heating pipe during installation, we will replace it with the same size and type of pipe for free.

## Is the Nexxa Panel System suitable for new-builds or renovations?

Yes, the Nexxa Panel System is suitable for both new-builds and renovations, particularly where there are floor build-up issues to deal with. It also requires less screeding than other systems, meaning it can substantially reduce the overall build-up of the floor structure.

## Is the Nexxa Panel System suitable for different types of floor finishes?

Yes, the Nexxa Panel System is suitable for almost any floor finish and is particularly useful where the flooring may be replaced from time to time. This includes wood, carpet or vinyl flooring.

## What is the SafetyNet™ Installation Guarantee?

The SafetyNet™ Installation Guarantee from Warmup guarantees that if you accidentally damage the underfloor heating pipe during installation, they will replace it with the same size and make of pipe for free. This guarantees a safe and secure installation of the system and provides peace of mind for the installer.

Installation of Warmup Nexxa™ Hydro System. Always refer to the installation manual prior to commencing your project.



Scan to find out more!



# Nexxa™ Peel & Stick System

## Fast-to-install Panel System



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Nexxa™ Peel and Stick system uses self-adhesive backed castellated panels for rapid installation times with floating screeded floors, with no waiting for the adhesive to dry before laying the heating pipe.

With a slimline design of just 21mm, the Nexxa Peel and Stick System is an ideal choice for renovation projects. Its castellated panels hold the heating pipe in place at an optimal layout whilst requiring less screeding than other water floor heating systems, helping to reduce the overall build-up of floor levels.

### ✓ Rapid installation

Self-adhesive backing offers a quick install and provides a more stable base.

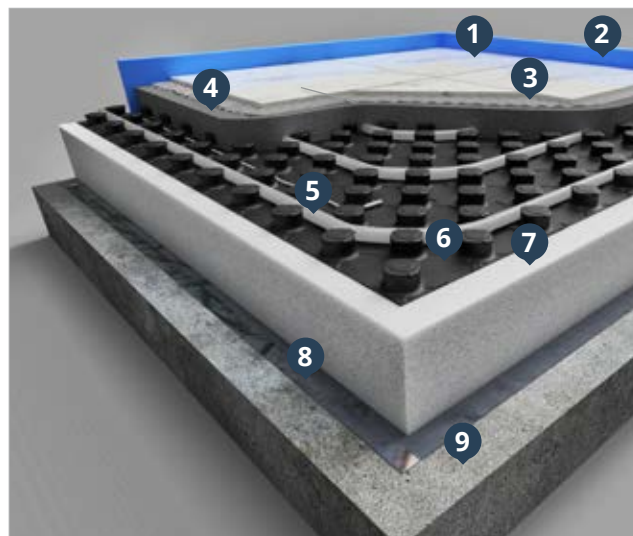
### ✓ 21mm build height

Ultra-slimline construction won't impact existing floor levels.

### ✓ Innovative design

More sheets per box, making transportation and installation more efficient.

## Typical Floor Build-Up



|   |                                                                                                            |
|---|------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b>                                                                                        |
| 2 | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3 | <b>Flexible Adhesive</b>                                                                                   |
| 4 | <b>Screed layer</b>                                                                                        |
| 5 | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 6 | <b>Nexxa™ Peel &amp; Stick Panels</b>                                                                      |
| 7 | <b>Insulation layer</b>                                                                                    |
| 8 | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 9 | <b>Concrete subfloor</b>                                                                                   |

## Technical Specification

| Warmup Nexxa Panel |              |
|--------------------|--------------|
| Product Code       | NEX-P&S      |
| Dimensions         | 1400 x 850mm |
| Thickness          | 21mm         |

## Frequently Asked Questions

### What are the benefits of the Warmup Nexxa™ Peel and Stick System?

The Warmup Nexxa Peel and Stick System allows secure installation of the pipework in its accompanying castellated panels before screeding, with no clips required. The panels feature a self-adhesive backing which provide fast installation times.

### Is the Nexxa Peel and Stick System a low-profile floor heating solution?

With a slimline design of just 21mm, the Nexxa Peel and Stick System is perfect for renovation projects featuring restricted ceiling heights. The system also requires less screeding than other water floor heating systems which helps to reduce the overall build-up of floor levels as well as the structural load.

### Should insulation be installed with the Nexxa Peel and Stick System?

The Nexxa Peel and Stick System is an ideal water underfloor heating system for use with floating screeded floors in projects that feature existing insulation. Warmup also offer high-quality insulation that can be used with the system.

### Can the Nexxa Peel and Stick System be installed with all floor finishes?

Yes, the Nexxa Peel and Stick System can be used with almost any floor finish that has been certified for use with water underfloor heating.

### Will the Nexxa Peel and Stick System improve a property's energy performance?

The Nexxa Peel and Stick System promotes sustainable technology which can dramatically lower the carbon emissions of a project and provide low running costs for the end-user.



Installation manual for Warmup Nexxa™ Hydro System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



# Nexxa™ Insulating and Acoustic System

Insulated Panel System



**SAFETYNet**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating  
pipe - Lifetime  
Warranty

## Overview

The Nexxa Insulating and Acoustic System features both thermal and acoustic properties, making it a perfect all-in-one water underfloor heating solution for floating screeded floors. It has been designed for use in large-scale, multi-residential buildings where reducing sound transmission between units is of paramount importance.

Its unique castellation panels offer a precise installation and its thermal insulation performance meets the requirements of separating floors defined within EN 1264 and ISO 11855.

### ✓ In-built insulation

With a build height of just 51mm, the system features 30mm of thermal and acoustic insulation.

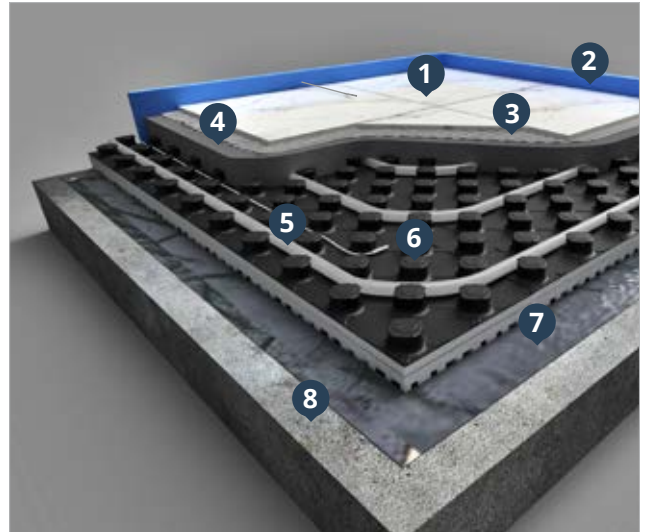
### ✓ Ideal for use in multi-residential buildings

Helps to reduce sound transmission between units, offering 28dB ( $\Delta L_{W,R}$ ) reduction to impact sound.

### ✓ Secured heating pipe

The system holds the pipe at the correct level prior to screeding to ensure there are no hot spots.

## Typical Floor Build-Up



|   |                                                                                                            |
|---|------------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b>                                                                                        |
| 2 | <b>Perimeter Strip</b><br><i>To allow for differential movement between finished floor level and walls</i> |
| 3 | <b>Flexible Adhesive</b>                                                                                   |
| 4 | <b>Screed layer</b>                                                                                        |
| 5 | <b>Warmup PE-RT Pipe</b>                                                                                   |
| 6 | <b>Nexxa™ Insulating and Acoustic Panels</b>                                                               |
| 7 | <b>Damp Proof Membrane (DPM)</b><br><i>To prevent water ingress</i>                                        |
| 8 | <b>Concrete subfloor</b>                                                                                   |

## Technical Specification

| Warmup Nexxa Panel |              |
|--------------------|--------------|
| Product Code       | NEX-30       |
| Dimensions         | 1400 x 850mm |
| Thickness          | 51mm         |

## Frequently Asked Questions

### What kind of project is the Nexxa Insulating and Acoustic System suitable for?

The Warmup Nexxa Insulating and Acoustic System has been developed with multi-residential buildings in mind. The system's innovative soundproofing qualities can reduce sound transmission between units.

### What is the thermal insulation performance of the Nexxa Insulating and Acoustic System?

The Nexxa Insulating and Acoustic System's thermal insulation performance meets the requirements of separating floors defined within EN 1264 and ISO 11855 and it will provide 28dB ( $\Delta L_{W,R}$ ) reduction to impact sound.

### What is the build height of the Nexxa Insulating and Acoustic System?

With a build height of 51mm, the Nexxa Insulating and Acoustic System's innovative construction includes 30mm of in-built high-quality insulation.

### Does the Nexxa Insulating and Acoustic System reduce screed depths?

The unique design of the system features castellated panels which hold the heating pipe at the correct level prior to screeding to ensure there are no hot spots. The system also facilitates a reduced screed depth, minimising structural load and material costs.

### Does the Nexxa Insulating and Acoustic System come with a warranty?

Yes, this system comes with Warmup's renowned SafetyNet Installation Guarantee which protects the installer against any accidental damage to the heating pipes during installation. The Nexxa Peel and Stick System promotes sustainable technology which can dramatically lower the carbon emissions of a project and provide low running costs for the end-user.



Installation manual for Warmup Nexxa™ Hydro System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



# Contura™ Floating Floor System



**SAFETY Net™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Contura™ Floating Floor System insulates and heats dry construction floating floors. Floor finishes can be laid over the Contura™ System immediately after installation unlike screeded floors which require weeks for the screed to cure and then dry out. Replacing a traditional screed with thinner and lighter dry flooring panels significantly reduces the heated floor mass.

Consequently the Contura™ System responds faster to heating demands than traditional screed systems. This faster warm up and cool down time is recognised within SAP with the calculated energy usage reducing as a result.

### ✓ No Screeding Required

The Contura™ system is a completely dry system with no screeding required so there is no waiting time for a screed to dry.

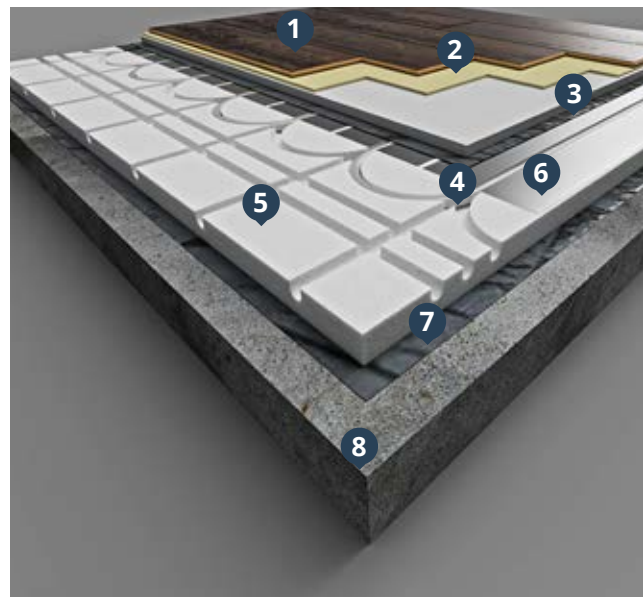
### ✓ Fast Heat-up Response

Contura™ System responds faster to heating demands than traditional screeded systems. This faster warm up and cool down time is recognised by SAP.

### ✓ Choice Of Boards

Comprehensive choice of board thicknesses available to match individual requirements.

## Typical Floor Build-Up



|   |                                                                                                          |
|---|----------------------------------------------------------------------------------------------------------|
| 1 | <b>Floor Finish</b>                                                                                      |
| 2 | <b>Floating Floor Deck</b>                                                                               |
| 3 | <b>Vapour Control Layer (VCL)</b><br><i>To provide a slip plane for the flooring above</i>               |
| 4 | <b>Warmup 16mm Pipework</b>                                                                              |
| 5 | <b>Warmup Contura™ Panel</b>                                                                             |
| 6 | <b>Warmup Contura™ Diffusion Plate</b>                                                                   |
| 7 | <b>Vapour Control Layer (VCL)</b><br><i>To prevent the insulation absorbing moisture from the screed</i> |
| 8 | <b>Concrete subfloor</b>                                                                                 |

## Technical Specification

| Warmup Contura™           |                                   |                             |            |
|---------------------------|-----------------------------------|-----------------------------|------------|
| Product Code              | WHS-CO-P2030                      | Thermal Conductivity @ 10°C | 0.035 W/mK |
| Dimensions                | 1.2m x 1.2m                       | R-Value                     | 0.85 m²K/W |
| Thickness                 | 30, 40, 50, 60, 70, 80, 90, 100mm | Fire Class EN 13501-1       | F          |
| Compressive Strength @10% | 150 kPa                           |                             |            |

# Frequently Asked Questions

## What is the Contura Floating Floor System?

The Contura™ System is a screedless hydronic underfloor heating (UFH) solution designed for use with floating floor finishes over a concrete or solid wooden subfloor. It features aluminium diffusion plates for optimal heat distribution, and can be installed within new builds or renovation projects, when sufficient levels of insulation are present.

## What are the key benefits of the Contura System?

The key benefits of the Contura™ System include a comprehensive choice of board strengths and thicknesses available to match individual requirements, no need for screeding, and fast heat-up response times as the diffusion plates allow for evenly distributed heat.

## What types of floors can the Contura System be used with?

The Contura™ System is designed for use with floating floors above a wooden or concrete subfloor. It can be installed under almost any floor finish, in particular engineered wood and composite laminate wood.

## What is the wattage per square metre output of the Contura System?

The Contura™ System typically has a wattage per square metre output of 75W/m<sup>2</sup>, which is lower than that of traditional screeded floors.

## What type of projects is the Contura System ideal for?

The Contura™ System is ideal for new builds on upper floors where insulation levels are higher, and can be used in both new builds or renovation projects.

## What guarantee and warranty does Warmup offer?

Warmup offers a SafetyNet™ Installation Guarantee, which means that if you accidentally damage the underfloor heating pipe during installation, we will replace it with the same size and type of pipe for free.



Installation for Warmup Contura™ Hydro System. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



# Tectora™

## Joisted Floor System



**SAFETYNet™**  
Installation-Guarantee

Warmup PE-RT  
Underfloor heating pipe  
- Lifetime Warranty

## Overview

The Warmup Tectora™ System is designed for use within battened or suspended timber floors, including TJI joist constructions. The aluminium diffusion plates fit perfectly across two battens or joists at 400mm centres to create a responsive heating system.

The Tectora™ Diffusion plates are ideal for timber floors. There are no wet trades involved and consequently no waiting for the installation to dry before the floor can be completed.

They are lightweight and easy to install creating a responsive efficient underfloor heating system with an even heat distribution. If you have irregularly spaced joists or battens the Econna™ System would be better suited.

### ✔ Tectora™ Highly Conductive

Tectora™ plates are highly conductive and efficiently diffuse the heat across the underside of the floor deck to create an even surface temperature without raising floor levels.

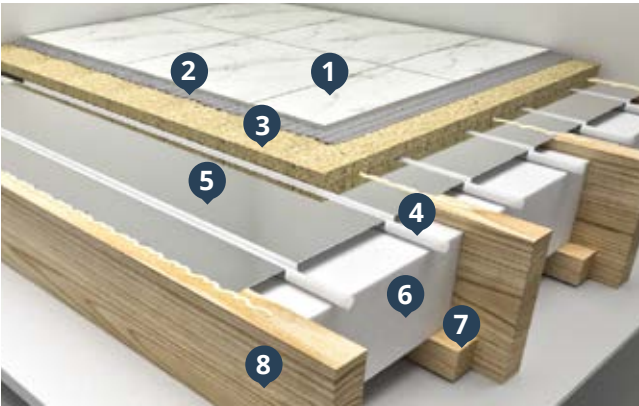
### ✔ Fast Heat-Up Response

System promotes fast heat-up response times improving system efficiency.

### ✔ Lightweight & Easy To Install

Diffusion plates are lightweight and easy to install.

## Typical Floor Build-Up



|   |                         |
|---|-------------------------|
| 1 | Floor Finish            |
| 2 | Tile Adhesive           |
| 3 | Structural Floor Deck   |
| 4 | Warmup 16 mm PE-RT Pipe |
| 5 | Warmup Diffusion Plate  |
| 6 | Rigid Insulation        |
| 7 | Supporting Battens      |
| 8 | Timber Joist            |

The batons can be sprung or on cradles to create an acoustic floor.

For this installation, a diffusion plate system is generally used if standard installation types are not suitable.

For installing as a joisted system, the rigid insulation is placed between the joists to support the diffusion plates, as they span the joists.

The Tectora™ Joisted Batten Floor System is suitable for almost any floor finish, in particular wood or engineered wood.

## Technical Specification

| DIFFUSION PLATES - TECHNICAL SPECIFICATION |              |           |           |
|--------------------------------------------|--------------|-----------|-----------|
| Code                                       | Dimensions   | Thickness | Pipe Size |
| WHS-TE-ALUDP1<br>(Twin groove plate)       | 390 x 1000mm | 0.5mm     | 16mm pipe |

# Frequently Asked Questions

## What is the Tectora Joisted Floor System?

The Tectora Joisted Floor System is a hydronic underfloor heating system from Warmup that is designed for use within either battened or suspended timber floors, including TJI joist constructions. This system features insulation installed between floor joists, with the heating pipes inserted within diffusion plates fitted above for optimal heat distribution. It is a dry-fitted system, requiring no screeding and does not increase the depth of floor build-up. The diffusion plates are made from heat-diffusing aluminium which ensures that the heat is spread evenly throughout the room.

## What type of floor finishes is the system suitable for?

The Tectora Joisted Floor System is suitable for almost any floor finish, in particular wood or engineered wood but for installation under tiles as a final floor finish, additional layers of plywood or tile backer board may be required to create a rigid base. The system is also compatible with all Warmup 16mm heating pipes.

## What is the SafetyNet™ Installation Guarantee?

The SafetyNet™ Installation Guarantee from Warmup guarantees that if you accidentally damage the underfloor heating pipe during installation, they will replace it with the same size and make of pipe for free. This guarantees a safe and secure installation of the system and provides peace of mind for the installer.

## How is the system installed?

For this installation, a diffusion plate system is generally used if standard installation types are not suitable. For installing as a joisted system, the rigid insulation is placed between the joists to support the diffusion plates, as they span the joists. Variable height floor battens are employed to create a void of between 50 to 100mm, which the heating pipes are inserted into.

## What type of heating pipes are compatible with the system?

The system is suitable for use with all Warmup 16mm heating pipes. This ensures that the pipes are able to optimally spread the heat throughout the room.

## Does the system increase the floor build-up?

No, the system does not increase the floor build-up as all components are installed without the need for additional screeding. This makes the system an ideal choice for projects where floor build-up is an important factor.



Scan to find out more!

Installation for Warmup Tectora™ Hydro System. Always refer to the installation manual prior to commencing your project.



# HiDECK™ Overlay 18



## Overview

HiDeck™ Overlay 18 is a high density overlay board for underfloor heating applications. It is ideal for flooring applications incorporating underfloor heating due to its high thermal conductivity which provides rapid reaction times, saving on running costs. In addition, its density makes it perfect for a variety of acoustic applications.

HiDeck18™ is ideal for use over Warmup Contura™, Ultra-12™ and Foil Heater™ underfloor heating systems.

### ✓ Screed Replacement System

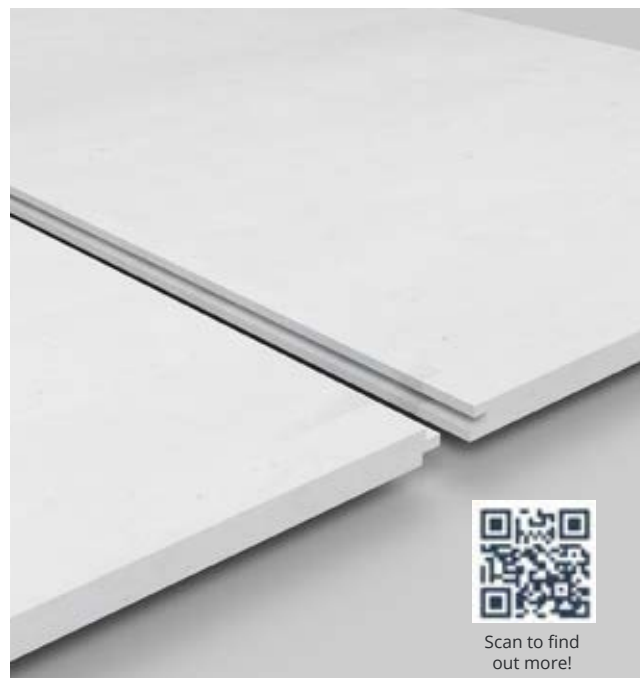
Screed replacement system where applicable, can be used in place of traditional liquid screed or levelling compounds for a faster install.

### ✓ Low Thermal Resistance

Perfect for underfloor heating applications and is Robust Standard Detail Treatment FFT4 compliant.

### ✓ Suitable For All Subfloors

Suitable for all types of steel, concrete and timber floors.



## Technical Specification

| Warmup HiDECK Overlay 18 |                         |                           |                              |
|--------------------------|-------------------------|---------------------------|------------------------------|
| Product Code             | WDO-HIDECK18            | Thermal Resistance        | 0.045 m² K/W                 |
| Dimensions               | 0.6m x 1.2m             | Environmental Credentials | GWP <5<br>ODP = 0            |
| Thickness                | 18mm                    | Fire Class                | A1                           |
| Type & Composition       | T&G high density gypsum | Weight                    | 21.6 kg/m²<br>15.55 kg/board |

Made from 100% Recycled Gypsum

## HiDECK™ Overlay 18 Price Guide

| Product Code   | Description                                                         | Price (Excl 20% VAT) |
|----------------|---------------------------------------------------------------------|----------------------|
| WDO-HIDECK18   | Collecta HiDECK Overlay 18 Panel - 0.45 tog - 18mm x 600mm x 1200mm | £35.37               |
| WDO-HIDECK-ADH | Collecta HiDECK Overlay 18 Adhesive - 1l                            | £34.62               |

# Warmup Bathroom Collection

The Warmup Bathroom Collection combines cutting-edge technology with classic British design to create the stylish bathroom of your dreams.



Scan to  
find out  
more!



# Warmup Single-Bar Towel Rails



Tulsi Round  
Single Bar –  
Polished



Tulsi Round  
Single Bar –  
Brushed



Burdock  
Square Single  
Bar – Polished



Burdock  
Square Single  
Bar – Brushed

- ✓

Dry heating technology, maintenance free with no risk of leaks
- ✓

Easy to install, supplied with fixing kit
- ✓

High quality 304 grade stainless steel, corrosion and stain resistant
- ✓

IP55 – Suitable for use in Zone 1
- ✓

230 V AC: 50Hz

# Bathroom Collection

**Warmup**

The world's **best-selling** floor heating brand™



Scan to find out more!



## Price Guide Single Bar Heated Towel Rail

| Product code | Name    | Product & Finish                             | Dimensions   | Price (Excl.20% VAT) |
|--------------|---------|----------------------------------------------|--------------|----------------------|
| HTR-1ROPO    | Tulsi   | Round Single Bar Medium Towel Rail Polished  | 650 x 31.8mm | £90.96               |
| HTR-1SQPO    | Burdock | Square Single Bar Medium Towel Rail Polished | 650 x 40mm   | £100.26              |
| HTR-1ROBR    | Tulsi   | Round Single Bar Medium Towel Rail Brushed   | 650 x 31.8mm | £89.12               |
| HTR-1SQBR    | Burdock | Square Single Bar Medium Towel Rail Brushed  | 650 x 40mm   | £98.40               |

## Warmup Multi-Bar Ladder Towel Rails



Scan to find out more!



Anise 4 Bar  
Ladder Straight  
Round Towel  
Rail Polished



Hawthorn 4 Bar  
Ladder Straight  
Square Towel  
Rail Polished



Anise 6 Bar  
Ladder Straight  
Square Towel  
Rail Polished



Hawthorn 6 Bar  
Ladder Straight  
Square Towel  
Rail Polished



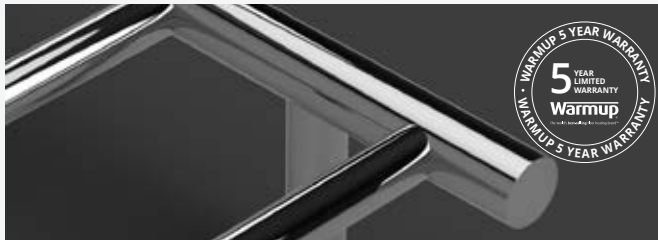
Anise 8 Bar  
Ladder Straight  
Square Towel  
Rail Polished



Hawthorn 8 Bar  
Ladder Straight  
Square Towel  
Rail Polished

## Warmup Multi-Bar Ladder Towel Rails

- ✓ Stylish polished multi-bar stainless steel finish
- ✓ Easy to install, supplied with fixing kit
- ✓ High quality 304 grade stainless steel, corrosion and stain resistant
- ✓ IP55 – Suitable for use in Zone 1
- ✓ Dry heating technology, maintenance free with no risk of leaks
- ✓ 230 V AC: 50Hz



## Price Guide Multi-Bar Heated Towel Rails

| Product code | Name     | Product & Finish                                 | Dimensions H x W | Price (Excl.20% VAT) |
|--------------|----------|--------------------------------------------------|------------------|----------------------|
| HTR-4ROPO    | Anise    | 4 Bar Ladder Straight Round Towel Rail Polished  | 520 x 500mm      | £189.38              |
| HTR-4SQPO    | Hawthorn | 4 Bar Ladder Straight Square Towel Rail Polished | 435 x 525mm      | £211.65              |
| HTR-6ROPO    | Anise    | 6 Bar Ladder Straight Round Towel Rail Polished  | 600 x 650mm      | £258.06              |
| HTR-6SQPO    | Hawthorn | 6 Bar Ladder Straight Square Towel Rail Polished | 600 x 650mm      | £272.92              |
| HTR-8ROPO    | Anise    | 8 Bar Ladder Straight Round Towel Rail Polished  | 800 x 530mm      | £386.16              |
| HTR-8SQPO    | Hawthorn | 8 Bar Ladder Straight Square Towel Rail Polished | 912 x 620mm      | £410.30              |

## Warmup Mirror Demisters



### Every bathroom needs a mirror – and all mirrors steam up

Warmup Mirror demisters are the perfect solution; a thin film which sits between the back of the mirror and the wall – ensuring you never find yourself in the all too common predicament of wiping and smearing your mirror.



## Price Guide Demisters

| Product code           | Description        | Dimensions | Price (Excl. 20% VAT) |
|------------------------|--------------------|------------|-----------------------|
| MD-SML1                | Demister – Small   | 260 x 360  | £44.56                |
| MD-MED1                | Demister – Medium  | 360 x 560  | £55.70                |
| MD-LRG1                | Demister – Large   | 560 x 720  | £77.98                |
| MD-CIRC (Circular pad) | Circular- Demister | Ø = 560mm  | £74.25                |

# StickyMat 3D™ Wall Heating Mat System

Ultra-thin, 1.8 mm multistrand, dual core heating cable, is double insulated with an advanced fluoropolymer making it exceptionally tough and easy to tile over.



Intertek



## Overview

Warmup StickyMat 3D™ is the perfect heating system for both wall and floor heating applications. Using StickyMat 3D™ on walls means heating the bathroom is that much easier and eliminates the need for radiators for greater design freedom.

The mat has been specifically designed so that there is a continuous, 100% earth braid, making it fully compliant with the latest edition of the Wiring Regulations for wall heating applications, eliminating the need for a second earth screen during installation. StickyMat 3D™ is ideal for regularly shaped rooms as the 0.5 m wide mats can be easily applied to walls or floors in parallel runs and securely fixed to the substrate with the self-adhesive mesh, making installation quick.

### Strong Adhesive Mesh

Sturdy glass fibre mesh with pressure sensitive adhesive, for the fastest and most secure installation of electric underfloor heating.

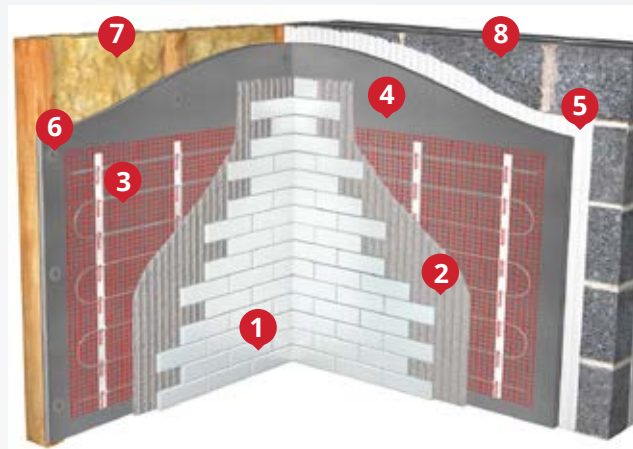
### 3mm Thickness

Cable is 1.8mm. Total thickness including the mesh is under 3mm

### Suitable For All Builds

StickyMat 3D™ underfloor heating system is suitable for all building projects; retrofits, new builds and refurbishments.

## Typical Floor Build-Up



- 1 Wall Finish
- 2 Flexible Adhesive / Plaster
- 3 Warmup StickyMat 3D™
- 4 Warmup Cement Coated Insulation Board
- 5 Flexible Tile Adhesive  
(Solid Walls)
- 6 Screw and Washer  
(Stud Walls)
- 7 Insulation
- 8 Wall

## Technical Specification

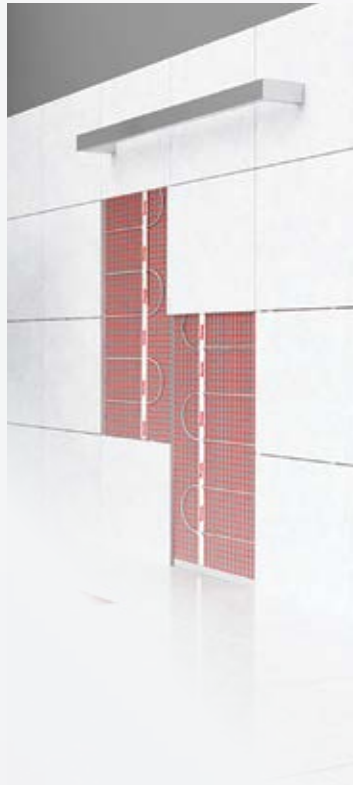
| Warmup StickyMat 3D™ |                                                        |                          |                                           |
|----------------------|--------------------------------------------------------|--------------------------|-------------------------------------------|
| Product Code         | 2SMFW0.5                                               | Cable Sheath             | Translucent                               |
|                      |                                                        | Cable Spacing            | 80 mm (+/- 3mm)                           |
| Connection           | 3.0 m long coldtail Flat 2 core cable with earth braid | Mesh                     | Sticky pressure sensitive fibreglass mesh |
| Operating Voltage    | 230 V AC: 50 Hz                                        | Inner / Outer Insulation | ETFE                                      |
| Output Rating        | 200 W/m²                                               | Earth Protection         | Metal braiding surrounding heating cores  |
| Heating Cores        | Dual core, multi-strand heating element                | Minimum Installation     | -10 °C                                    |
| IP Rating            | X7                                                     |                          |                                           |

Price Guide

StickyMat3D™ 200W/m² System

| Product Code | Area Heated | Description          | Price (Excl 20% VAT) |
|--------------|-------------|----------------------|----------------------|
| 2SMFW0.5     | 0.5m²       | 200W/m² StickyMat 3D | £78.72               |
| 2SMFW1       | 1m²         | 200W/m² StickyMat 3D | £129.33              |
| 2SMFW1.5     | 1.5m²       | 200W/m² StickyMat 3D | £163.06              |
| 2SMFW2       | 2m²         | 200W/m² StickyMat 3D | £179.93              |

| MAT SIZE GUIDE - StickyMat 3D™ (200 W/m²) |                  |           |          |                |                               |
|-------------------------------------------|------------------|-----------|----------|----------------|-------------------------------|
| Product Code                              | Area Heated (m²) | Power (W) | Load (A) | Resistance (Ω) | Reference Resistance Bands(Ω) |
| 2SMFW 0.5                                 | 0.5              | 100       | 0.43     | 529.0          | 502.6 - 555.5                 |
| 2SMFW 1                                   | 1                | 200       | 0.87     | 264.5          | 251.3 - 278.7                 |
| 2SMFW 1.5                                 | 1.5              | 300       | 1.30     | 176.3          | 167.5 - 185.1                 |
| 2SMFW 2                                   | 2                | 400       | 1.74     | 132.3          | 125.7 - 138.9                 |



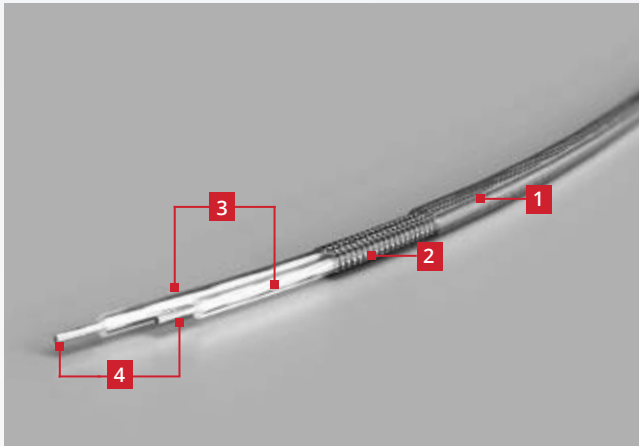
**Hidden Heating**  
Maintenance free hidden heating solution with quicker drying tiles and better air quality.

**Luxurious Warmth**  
Be surrounded by gently radiated warmth. No more cold spots in the room.

**Fully Compliant**  
Unique earthing technology - the only wall heating mat fully compliant with new regulations.

**Easy to install**  
Connects to existing floor heating thermostat. Self-adhesive mesh installs in minutes, ready to be tiled directly over.

Cable section



- 1

ETFE outer insulation
- 2

Earth braiding surrounding heating cores
- 3

ETFE inner insulation
- 4

Dual core, multi-strand heating element

Installation Guide

(Refer to installation manual for complete instructions)

Make a plan of your wall area by measuring your room and then subtract any fixtures. Ensure you have the correct size mat for your wall area. Roll out the mesh, wire face up. At the end of the run, cut the mat (not the wire), turn the mat through 90° or 180° and continue laying the mat.

NOTE: All electrical connections must be performed by a qualified and competent electrician.



Installation video for Warmup StickyMat3D™ System. Always refer to the installation manual prior to commencing your project.



Scan to find out more!

# WiFi Smart Thermostats

**NEW  
PRODUCT**

7iE™ Smart Matter  
WiFi Thermostat



## Our Philosophy

Warmup Smart is passionate about creating products that work simply and beautifully, whilst improving the efficiency and comfort of your home. We believe that your home is where you feel safe, relaxed and comfortable; the place you go to disconnect from all the distractions of day-to-day life. Our work is built on these foundations.

Element™ WiFi  
Smart Thermostat



Konekt™ Wireless Thermostat  
with Humidity Sensor

## Our goal is to improve home-life

With Warmup thermostats, managing a heating system has never been so easy. Our products work to save energy and costs.

They eliminate the necessity to manage the system, without any effort, giving one less thing to worry about and allowing to focus on the things that matter, like family, friends and stress-free time.



Tempo™ Programmable  
Thermostat

Wireless controls also available.

# How SmartGeo™ works?



## Waking up

SmartGeo™ learns what time you wake up and makes sure your home is at a comfortable temperature at the perfect time.

## Leaving home

SmartGeo™ understands what time you are likely to leave for work. Knowing that you will probably be away all day, it automatically changes to an efficient away temperature.

## Home early

SmartGeo™ has noticed that you are returning home unexpectedly and ensures the house is comfortable by changing to an energy efficient comfort temperature.

## Change of routine

Dinner plans with friends cause you to break your daily routine. SmartGeo™ notices an unexpected empty house and decreases the temperature to save more energy until you return.

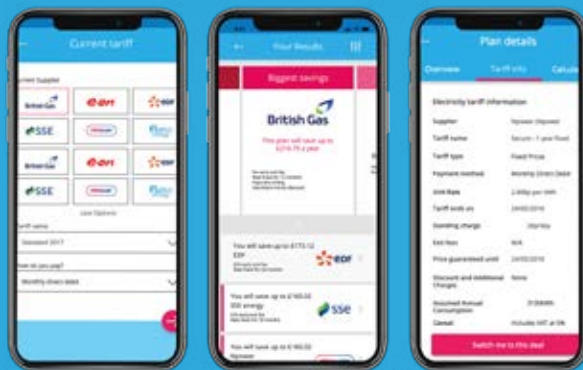
## Returning home

SmartGeo™ notices that you are returning home and adjusts the heating so that it is at the ideal temperature for your arrival.



Your data is private, including your location. SmartGeo™ works without Warmup, knowing your location, only how far from home you are, and uses the systems already built into your smartphone.

## AutoSwitch™ By Warmup



Stay on the best energy tariff for your home, every year, completely hassle free.

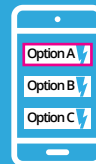
AutoSwitch™ works in the background, on your behalf, to find you the **best value tariffs every year** and can switch you to them automatically – **saving you around £400 on your energy deal.**

## Get started in 3 simple steps

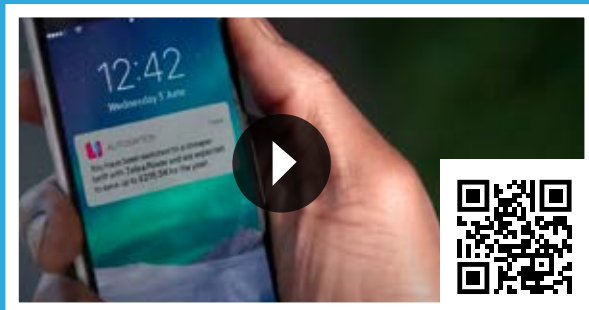
Scan QR code



Choose your plan



Enable



Choose Warmup Smart Thermostats for automatic, energy-efficient heating

# 7iE™ WiFi Thermostat

NEW  
PRODUCT

## Effortlessly Connected Smart Home Floor Heating

The first floor heating thermostat with  
effortless connectivity for Apple,  
Google & Amazon Smart Homes.  
Now with Matter  and Smartcare 





# 7iE™ Smart Matter WiFi Thermostat

At Warmup, we're an R&D-led, innovation-driven company, and with the 7iE we've completely reimagined home comfort – combining advanced technology, enhanced energy savings, and effortless smart home integration. Designed to keep you comfortable automatically, the 7iE learns how you use your home, with SmartGeo adjusting temperatures based on your location to help cut energy bills by up to 25%.

Its future-proof Matter integration ensures effortless connectivity with all major smart home platforms. While Smartcare, our free proactive remote support and efficiency advice service, provides 24/7 peace of mind by keeping your system running smoothly.

7iE™ Matter Compatible  
WiFi Onyx Black Thermostat



7iE™ Matter Compatible WiFi  
Bright Porcelain Thermostat



### ✓ Smarter energy savings

The 7iE™ Smart Matter WiFi Thermostat automatically adjusts a heating system's settings to maximise comfort and efficiency.

### ✓ Expert heating support

7iE™ facilitates expert heating support for the end-user through its access to Smartcare, which provides proactive system monitoring and lifetime support.

### ✓ Smart Home integration

7iE™ Smart Matter WiFi Thermostat is compatible with Apple, Google and Amazon devices through its Matter technology.



## Features & Benefits

|   |                                                                              |
|---|------------------------------------------------------------------------------|
| 1 | 1 Automatically adjusts heating systems.                                     |
| 2 | Future proof Smart home integration with Matter.                             |
| 3 | Flexible multi-zone control for electric & water systems.                    |
| 4 | Smartcare: Free proactive performance monitoring & instant customer support. |
| 5 | Helps reduce energy usage by up to 25%.                                      |
| 6 | Ultra slim design (16mm from the wall).                                      |

## 7iE™ Smart Matter WiFi Thermostat

| Product Code | Description                                       | Price (Excl. 20% VAT) |
|--------------|---------------------------------------------------|-----------------------|
| 7iE-01-OB-DC | 7iE Smart Matter WiFi Thermostat Onyx Black       | £160.10               |
| 7iE-01-BP-LC | 7iE Smart Matter WiFi Thermostat Bright Porcelain | £160.10               |

## Technical Specification

| Warmup 7iE Thermostat      |                                         |                    |                                          |
|----------------------------|-----------------------------------------|--------------------|------------------------------------------|
| Max. Load                  | 16A (3680W)                             | Installation Depth | 50mm back box recommended (35mm minimum) |
| Max. Ambient Temperature   | 0 - 40°C                                | IP Rating          | IP33                                     |
| Operating voltage          | 230VAC:50Hz                             | Compliance         | CE & UKCA Marked                         |
| Sensors                    | Air & Floor (Ambient)                   | Warranty           | 12-Year Warranty                         |
| Sensor Type                | NTC10k 3m Long (Can Be Extended To 50m) | Er-P Class         | IV                                       |
| Dimensions (Assembled 7iE) | 90 x 115 x 39 mm                        | Approvals          | BEAB                                     |





# Element<sup>TM</sup> WiFi Thermostat

Smart Heating. Simplified.

Warmup's Element WiFi Thermostat has been designed with simplicity and stylish functionality in mind. It brings energy efficient heating control to all Warmup floor heaters.



Scan to find out more!



# Warmup Element™ WiFi Thermostat

Warmup's Element™ WiFi Thermostat has been designed with simplicity and stylish functionality in mind. It brings energy-efficient heating control to all Warmup floor heaters. Combining smart technology with simple, contemporary design, the Element™ WiFi Thermostat is the perfect all-rounder to control Warmup heating systems.

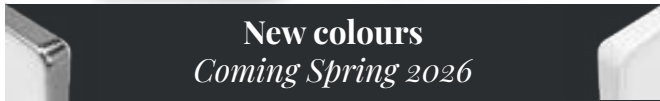
The Element™ WiFi Thermostat utilises simple touch buttons for accurate control of your underfloor heating system. Its sleek, unobtrusive design will suit any home décor.

Installation and set up is done in a matter of seconds, simply scan the QR code on the Element™ thermostat using the MyHeating™ app and it will automatically connect to your WiFi network.

Element™ WiFi Thermostat Dark



Element™ WiFi Thermostat Light



- ✓ **Reduces Energy Use By Up To 25%\***  
Reduce energy use by up to 25% with the energy efficient MyHeating app technology.
- ✓ **Automatic Control Of Your Heating**  
Unique SmartGeo™ automatically turns down the heating when you're out.
- ✓ **Reduce Energy Bills By Over £400\*\***  
Using less energy and switching to a cheaper tariff with Warmup AutoSwitch™.



## Features & Benefits

|   |                                                                                                                                                                                                                                                                                                  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Simple touch buttons for accurate control of your underfloor heating system. Its sleek, unobtrusive design will suit any home décor.                                                                                                                                                             |
| 2 | Easy to setup. Simply scan the QR code on the Element™ thermostat using the MyHeating app and it will automatically connect to your WiFi network.                                                                                                                                                |
| 3 | Reduce energy use by up to 25% with energy efficient MyHeating™ app technology.                                                                                                                                                                                                                  |
| 4 | Compatible with all Warmup Underfloor Heating Systems.                                                                                                                                                                                                                                           |
| 5 | Automatic control of your heating. SmartGeo™ learns your routines and location through background communication with your smartphone and lowers temperatures when you are away, only rising them up to your ideal comfort temperature in time for your arrival home saving you money and energy. |
| 6 | Helps find the most efficient heat settings for your home.                                                                                                                                                                                                                                       |

## Price Guide Element™ WiFi Thermostat

| Product Code | Description                                                    | Price (Excl. 20% VAT) |
|--------------|----------------------------------------------------------------|-----------------------|
| ELM-01-OB-DC | Warmup Element WiFi Dark Thermostat (Band Colour: Dark Chrome) | £92.00                |
| ELM-01-WH-RG | Warmup Element WiFi Light Thermostat (Band Colour: Rose Gold)  | £92.00                |

## Technical Specification

| Warmup Element Thermostat |                                          |                    |                                                              |
|---------------------------|------------------------------------------|--------------------|--------------------------------------------------------------|
| Max. Load                 | 16A (3680W)                              | Installation Depth | 50mm back box recommended (35mm minimum)                     |
| Max. Ambient Temperature  | 0 - 40°C                                 | IP Rating          | IP33                                                         |
| Operating Frequency       | 2401 - 2484MHz                           | Compliance         | CE & UKCA Marked                                             |
| Sensors                   | Air & Floor                              | Warranty           | 12-Year Warranty with option to upgrade to Lifetime Warranty |
| Sensor Type               | NTC 10K 3m Long (can be extended to 50m) | Er-P Class         | IV                                                           |
| Dimensions                | H/W/D: 86 x 86 x 16 mm                   | Approvals          | BEAB                                                         |
| Display                   | 1.8"                                     |                    |                                                              |

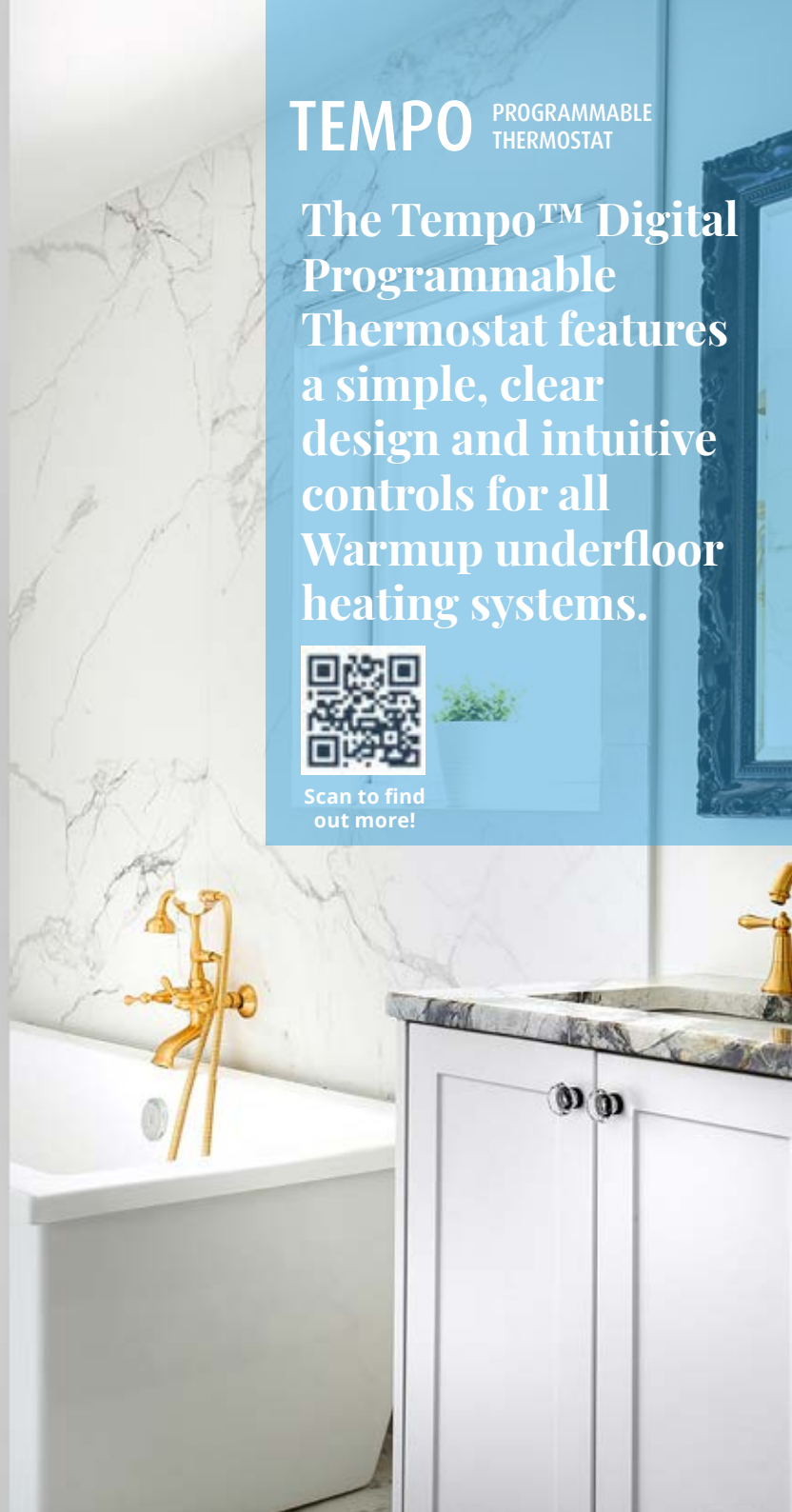


## TEMPO PROGRAMMABLE THERMOSTAT

The Tempo™ Digital Programmable Thermostat features a simple, clear design and intuitive controls for all Warmup underfloor heating systems.



Scan to find out more!



# Warmup Tempo™

## Programmable Thermostat

The Tempo™ thermostat enables end users to choose the time as easily as they would with a watch or clock and quickly set their programs – heat on when they want it and off when they do not need it.

Suitable with all Warmup underfloor heating systems, the Tempo™ thermostat allows you to control the temperature of your underfloor heating to give you comfort, warmth and luxury to match your specific needs.

Tempo™ PB Digital  
Thermostat



✓ **Better**

Easy-to-use interface and intuitive design. With Tempo™, end users can simply program their settings to suit individual requirements, warmer when they are at home, lower when they are away or asleep.

✓ **Faster**

Set-up takes just minutes to get right the first time. It will help avoid wasting energy and achieve savings on utility bills.

✓ **Smarter**

Its Proportional Adaptive Function ensures the room does not over-heat, reducing wasted energy whilst also protecting the components inside.



MSTAT  
Manual  
Thermostat



Fused Spur  
with integral  
30mA RCD

Tempo™ PW Digital  
Thermostat



*\*Upgrade for just £24.99 inc. VAT at [www.warmup.co.uk](http://www.warmup.co.uk)*



### Features

|   |                                                                         |
|---|-------------------------------------------------------------------------|
| 1 | Stylish and contemporary design.                                        |
| 2 | Clear screen displaying program details.                                |
| 3 | Easy control with dial and sliders.                                     |
| 4 | Suitable with all Warmup electric and water underfloor heating systems. |
| 5 | Available in Porcelain White and Piano Black.                           |
| 6 | Perfect for the whole house with the exception of the bathroom.         |

### Technical Specification

| Warmup Tempo Thermostat  |                                          |                    |                                                             |
|--------------------------|------------------------------------------|--------------------|-------------------------------------------------------------|
| Max. Load                | 16A (3680W)                              | Input Voltage      | 230V +/- 15% at 50Hz                                        |
| Max. Ambient Temperature | 0 - 40°C                                 | IP Rating          | IP20                                                        |
| Screen Size              | 45 x 50mm                                | Compliance         | CE & UKCA Marked                                            |
| Sensors                  | Floor/Air                                | Warranty           | 3-Year Warranty with option to upgrade to Lifetime Warranty |
| Sensor Type              | NTC 10K 3m Long (can be extended to 50m) | Er-P Class         | IV                                                          |
| Dimensions               | (H/W/D): 90 x 113 x 23mm (flush fit)     | Installation Depth | 35mm BACK BOX                                               |
| Display Size             | 45 X 50mm                                | Approvals          | BEAB                                                        |

### Price Guide Tempo Programmable Thermostat

| Tempo Thermostats                               | Price<br>(Excl. 20% VAT) |
|-------------------------------------------------|--------------------------|
| Tempo - Piano Black Programmable Thermostat     | £104.99                  |
| Tempo - Porcelain White Programmable Thermostat | £104.99                  |

| Manual Thermostat               | Price<br>(Excl. 20% VAT) |
|---------------------------------|--------------------------|
| MSTAT - White Manual Thermostat | £74.97                   |

| Accessories                                   | Price<br>(Excl. 20% VAT) |
|-----------------------------------------------|--------------------------|
| RCD/Fused Spur - 30mA Residual Current Device | £55.95                   |

# *Warmup Wiring Centre*

The Warmup Wiring Centre is a fast-to-install wiring centre for use as part of a complete Warmup heating system.



# Warmup Wiring Centre

The Warmup Wiring Centre features market-leading technology to provide fast installation times and full integration when specifying Warmup's heating systems. Featuring a slimline, modern design, it discreetly houses a system's wiring and is ideal for use in both large-scale new-build projects and smaller home renovations.

The unique technology of the Wiring Centre helps conserve energy in homes by preventing Short Cycling on the boiler or heat pump - improving the heating's performance without shutting down the heat source like other wiring centres on the market. And with expert innovations such as individual commissioning switches for every zone and activity indicator lights for every output, the Wiring Centre makes the commissioning and diagnostics processes a hassle-free experience.

The Wiring Centre can provide connectivity for up to 9 heating zones, with 2 of the zones being configurable to control radiators and domestic hot water, instead of just 1. This makes it ideal for use in hybrid installations in large-scale projects with mixed heating requirements.



## ✓ Helps save energy

Prevents the heat source short cycling due to low flow on start-up, improving energy efficiency.

## ✓ Perfect for hybrid installs

Set-up takes just minutes to get right the first time. It will help avoid wasting energy and achieve savings on utility bills.

## ✓ Optimised design

With an efficient design, the Wiring Centre helps save space whilst offering room for excess wires.



## Features

|   |                                                                                 |
|---|---------------------------------------------------------------------------------|
| 1 | Slimline design.                                                                |
| 2 | 9 independent UFH zones with 2 optional hybrid zones                            |
| 3 | Wiring terminals supplied already open, saving time during installation.        |
| 4 | Activity indicator lights for every output, allowing for easier problem solving |
| 5 | Individual commissioning switches for each heating zone.                        |
| 6 | Compatible with DIN rails.                                                      |

## Technical Specification

| UFH Wiring Centre                                                        |                                                              |                             |                                                                            |
|--------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|
| Code                                                                     | WWC-09                                                       | Max. total load             | 2A resistive                                                               |
| Operating voltage                                                        | 230V AC; 50Hz                                                | Fuse                        | F 2A L 250V 5x20mm                                                         |
| Supply overload protection                                               | 3A (Use external 3A MCB's, RCBO's or fuses for this purpose) | Max. Load Outputs           | <b>Boiler</b><br>3A Resistive<br>(Supply MUST be protected by 3A MCB/RCBO) |
| Classification of control according to protection against electric shock | Class I                                                      |                             | <b>Pump</b><br>0.6A Resistive<br>(0.6A inductive resistance of the motor)  |
| No. of cycles of actuation (M)                                           | 10000                                                        |                             | <b>Valve</b><br>0.2A Resistive                                             |
| Type of disconnection                                                    | Micro-disconnection                                          |                             | <b>Actuators</b><br>0.1A Resistive                                         |
| Additional features of actions                                           | 1.B                                                          | Operating temperature       | 0 - 45°C, T45                                                              |
| Pollution degree                                                         | 2                                                            | Wire size                   | 1.0 - 2.5mm²                                                               |
| Glow wire temperature                                                    | 550 / 850°C                                                  | Max. number of zone         | 9                                                                          |
| Rated impulse voltage                                                    | 4KV                                                          | Max. number of hybrid zones | 2 (HW/RADS)                                                                |
| Period of electric stress across insulating parts                        | Long period                                                  | DIN-rail mounting           | Yes                                                                        |
|                                                                          |                                                              | Commissioning switches      | 9                                                                          |
| IP rating                                                                | IP20                                                         | Delayed start               | 90 seconds; switchable                                                     |

Wireless controls also available.

**Underfloor heating is  
energy-efficient.**

**It is estimated that  
17.5% of global CO<sub>2</sub>  
emissions are from  
energy use in buildings**

Our radiant underfloor systems keep you warm  
using less energy than traditional central heating  
systems and with this increased efficiency, you  
can save money on your heating bills too.



# Hydronic Pricelist

Thermostats and Controls

Profile Boards and Insulation

Fixings and Ancillary Products

Hydronic Pipes

Manifolds, Ancillaries and Fittings

\*Price per unit for all products is based on  
a pack of 1 unless stated otherwise.



# Warmup Thermostats

NEW  
PRODUCT

## 7iE™ Smart Matter WiFi Thermostats



7iE-01-OB-DC



7iE-01-BP-LC

| Product Code | Description                                       | Price (Excl 20% VAT) |
|--------------|---------------------------------------------------|----------------------|
| 7iE-01-OB-DC | 7iE Smart Matter WiFi Thermostat Onyx Black       | £160.10              |
| 7iE-01-BP-LC | 7iE Smart Matter WiFi Thermostat Bright Porcelain | £160.10              |

## Element™ WiFi Smart Thermostats

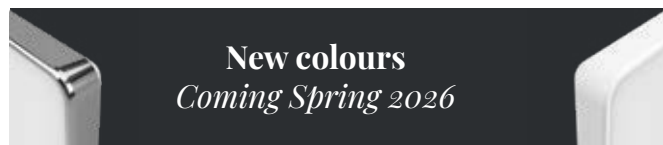


ELM-01-OB-DC



ELM-01-WH-RG

| Product Code | Description                                         | Price (Excl 20% VAT) |
|--------------|-----------------------------------------------------|----------------------|
| ELM-01-OB-DC | Element WiFi Thermostat Dark with Dark Chrome Bezel | £92.00               |
| ELM-01-WH-RG | Element WiFi Thermostat Light with Rose Gold Bezel  | £92.00               |



ELT PB



ELT PW

## Tempo™ Digital Thermostats

| Product Code | Description             | Price (Excl 20% VAT) |
|--------------|-------------------------|----------------------|
| ELT PB       | Tempo - Piano Black     | £104.99              |
| ELT PW       | Tempo - Porcelain White | £104.99              |

## Thermostat Ancillaries

| Product Code                      | Description                                   | Price (Excl 20% VAT) |
|-----------------------------------|-----------------------------------------------|----------------------|
| Floor Probe NTC10K                | Warmup NTC10K Floor Probe. 4.5mm tip diameter | £17.36               |
| Floor Probe Conduit and Brass Cap | Floor Probe Conduit and Brass Cap             | £17.36               |

## Warmup Wiring Centre



WWC-09

| Product Code | Description                                                                    | Price (Excl 20% VAT) |
|--------------|--------------------------------------------------------------------------------|----------------------|
| WWC-09       | 9 independent UFH zones with 2 hybrid zones for radiator and hot water control | £68.09               |

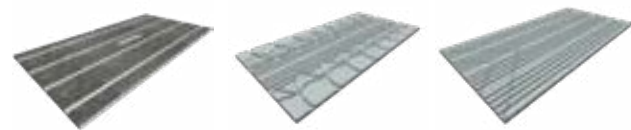
# Warmup VLo Range

## VLo - Nexxa-12 Panel



| Product Code | Description                                           | Price<br>(Excl 20% VAT) |
|--------------|-------------------------------------------------------|-------------------------|
| RNX-PANEL    | Nexxa-12 - Peel & Stick Panel - 16mm x 650mm x 1050mm | £10.58                  |

## VLo Ultra-12 Panels



ULTRA12-SP-PANEL      ULTRA12-CP-PANEL      ULTRA12-SS-PANEL



ULTRA12-PP-PANEL      ULTRA12-CS-PANEL

| Product Code     | Description                                               | Price<br>(Excl 20% VAT) |
|------------------|-----------------------------------------------------------|-------------------------|
| ULTRA12-SP-PANEL | Ultra-12 - Straight Panel - 18mm x 600mm x 1200mm         | £30.08                  |
| ULTRA12-CP-PANEL | Ultra-12 - Curve Panel - 18mm x 600mm x 1200mm            | £19.86                  |
| ULTRA12-SS-PANEL | Ultra-12 - Straight Service Panel - 18mm x 600mm x 1200mm | £19.86                  |
| ULTRA12-CS-PANEL | Ultra-12 - Curve Service Panel - 18mm x 600mm x 1200mm    | £19.86                  |
| ULTRA12-PP-PANEL | Ultra-12 - Plain Panel - 18mm x 600mm x 1200mm            | £16.63                  |

## VLo - Econna-12 Panel



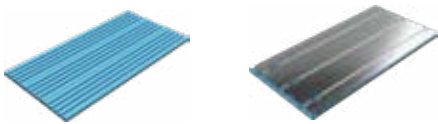
| Product Code | Description                                                | Price<br>(Excl 20% VAT) |
|--------------|------------------------------------------------------------|-------------------------|
| EC-PANEL     | Econna-12 - P5 T&G Chipboard Panel - 22mm x 600mm x 2400mm | £91.06                  |

# Warmup Lo-16

## Lo-16 Panels



LO16-PP-PANEL      LO16-CS-PANEL      LO16-MP-PANEL



LO16-SS-PANEL      LO16-SP-PANEL

| Product Code  | Description                                                                  | Price<br>(Excl 20% VAT) |
|---------------|------------------------------------------------------------------------------|-------------------------|
| LO16-CS-PANEL | Lo-16 - Curve Service Panel - 500kPa XPS - 25mm x 600mm x 1200mm             | £11.00                  |
| LO16-MP-PANEL | Lo-16 - Manifold Panel - 500kPa XPS - 25mm x 600mm x 1200mm                  | £13.00                  |
| LO16-PP-PANEL | Lo-16 - Plain Panel - 500kPa XPS - 25mm x 600mm x 1200mm                     | £11.00                  |
| LO16-SP-PANEL | Lo-16 - Universal Panel - 200mm Centres - 500kPa XPS - 25mm x 600mm x 1200mm | £17.50                  |
| LO16-SS-PANEL | Lo-16 - Straight Service Panel - 500kPa XPS - 25mm x 600mm x 1200mm          | £11.00                  |

## Clypso™ Staple Gun & clips



WHS-CL-T40      WHS-CL-T60      WHS-CL-FIXER

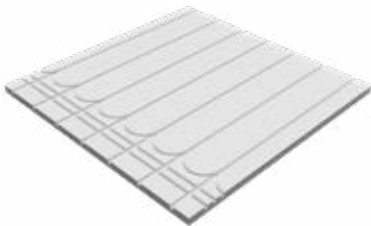
| Product Code | Description                           | Price<br>(Excl 20% VAT) |
|--------------|---------------------------------------|-------------------------|
| WHS-CL-T40   | Clypso - Staples - 40mm (Pack of 300) | £10.21                  |
| WHS-CL-T60   | Clypso - Staples - 60mm (Pack of 300) | £10.21                  |
| WHS-CL-FIXER | Clypso - Staple Gun                   | £246.13                 |

## Metro™ Rails



| Product Code  | Description       | Price<br>(Excl 20% VAT) |
|---------------|-------------------|-------------------------|
| WHS-MT-RAIL01 | Metro - Rail - 1m | £2.37                   |

## Contura™ Panel



| Product Code  | Description                                                              | Price<br>(Excl 20% VAT) |
|---------------|--------------------------------------------------------------------------|-------------------------|
| WHS-CO-P2030  | Contura Panel - 150kPa EPS - 200mm Centres - 30mm x 1200mm x 2400mm      | £18.60                  |
| WHS-CO-P2040* | Contura Panel - 150kPa EPS - 200mm Centres - 40mm x 1200mm x 2400mm      | £22.28                  |
| WHS-CO-P2050* | Contura Panel - 150kPa EPS - 200mm Centres - 50mm x 1200mm x 2400mm      | £30.67                  |
| WHS-CO-P2060* | Contura Panel - 150kPa EPS - 200mm Centres - 60mm x 1200mm x 2400mm      | £33.83                  |
| WHS-CO-P2070* | Contura Panel - 150kPa EPS - 200mm Centres - 70mm x 1200mm x 2400mm      | £36.75                  |
| WHS-CO-P2080* | Contura Panel - 150kPa EPS - 200mm Centres - 80mm x 1200mm x 2400mm      | £42.89                  |
| WHS-CO-P2090* | Contura Panel - 150kPa EPS - 200mm Centres - 90mm x 1200mm x 2400mm      | £41.06                  |
| WHS-CO-P2100* | Contura Panel - 150kPa EPS - 200mm Centres - 100mm x 1200mm x 2400mm     | £59.11                  |
| CON-ALUDP9    | Contura Diffuser - Aluminium - 1 x 16mm Channel - 0.5mm x 190mm x 1000mm | £5.35                   |

\* Available as special order only

## Forte™ - Ties for Pipe on Mesh system

| Product Code | Description                    | Price<br>(Excl 20% VAT) |
|--------------|--------------------------------|-------------------------|
| WHS-FO-TIE   | Forte - Zip Ties (Pack of 100) | £1.68                   |

## Nexxa™ Panel



| Product Code | Description                                               | Price<br>(Excl 20% VAT) |
|--------------|-----------------------------------------------------------|-------------------------|
| WHS-TL-ALU10 | Nexxa Panel - 10mm EPS insulation - 31mm x 850mm x 1450mm | £12.86                  |

## Tectora™ Aluminium Diffuser



| Product Code  | Description                                                               | Price<br>(Excl 20% VAT) |
|---------------|---------------------------------------------------------------------------|-------------------------|
| WHS-TE-ALUDP1 | Tectora Diffuser - Aluminium - 2 x 16mm Channels - 0.5mm x 390mm x 1000mm | £11.01                  |

## HiDECK™ Overlay 18

| Product Code   | Description                                                         | Price<br>(Excl 20% VAT) |
|----------------|---------------------------------------------------------------------|-------------------------|
| WDO-HIDECK18   | Collecta HiDECK Overlay 18 Panel - 0.45 tog - 18mm x 600mm x 1200mm | £35.37                  |
| WDO-HIDECK-ADH | Collecta HiDECK Overlay 18 Adhesive - 1l                            | £34.62                  |

# EPS Insulation - 70kPa\*

\* Available as special order only



| Product Code  | Description                                                                | Price (Excl 20% VAT) |
|---------------|----------------------------------------------------------------------------|----------------------|
| WHS-MT-B07025 | Insulation - EPS - 70kPa - 0.038W/mK - 25mm x 1200mm x 2400mm (Pack of 12) | £86.76               |
| WHS-MT-B07050 | Insulation - EPS - 70kPa - 0.038W/mK - 50mm x 1200mm x 2400mm (Pack of 6)  | £86.76               |
| WHS-MT-B07075 | Insulation - EPS - 70kPa - 0.038W/mK - 75mm x 1200mm x 2400mm (Pack of 4)  | £86.76               |
| WHS-MT-B07100 | Insulation - EPS - 70kPa - 0.038W/mK - 100mm x 1200mm x 2400mm (Pack of 3) | £86.76               |

# EPS Insulation - 100kPa\*

\* Available as special order only



| Product Code  | Description                                                                 | Price (Excl 20% VAT) |
|---------------|-----------------------------------------------------------------------------|----------------------|
| WHS-MT-B10025 | Insulation - EPS - 100kPa - 0.036W/mK - 25mm x 1200mm x 2400mm (Pack of 12) | £143.88              |
| WHS-MT-B10050 | Insulation - EPS - 100kPa - 0.036W/mK - 50mm x 1200mm x 2400mm (Pack of 6)  | £143.88              |
| WHS-MT-B10075 | Insulation - EPS - 100kPa - 0.036W/mK - 75mm x 1200mm x 2400mm (Pack of 4)  | £143.88              |
| WHS-MT-B10100 | Insulation - EPS - 100kPa - 0.036W/mK - 100mm x 1200mm x 2400mm (Pack of 3) | £143.88              |

# Insulation - PIR - 150kPa\*

\* Available as special order only



| Product Code  | Description                                                     | Price (Excl 20% VAT) |
|---------------|-----------------------------------------------------------------|----------------------|
| WHS-MT-INS25  | Insulation - PIR - 150kPa - 0.022W/mK - 25mm x 1200mm x 2400mm  | £47.60               |
| WHS-MT-INS30  | Insulation - PIR - 150kPa - 0.022W/mK - 30mm x 1200mm x 2400mm  | £53.94               |
| WHS-MT-INS40  | Insulation - PIR - 150kPa - 0.022W/mK - 40mm x 1200mm x 2400mm  | £62.42               |
| WHS-MT-INS50  | Insulation - PIR - 150kPa - 0.022W/mK - 50mm x 1200mm x 2400mm  | £76.17               |
| WHS-MT-INS60  | Insulation - PIR - 150kPa - 0.022W/mK - 60mm x 1200mm x 2400mm  | £90.98               |
| WHS-MT-INS70  | Insulation - PIR - 150kPa - 0.022W/mK - 70mm x 1200mm x 2400mm  | £106.85              |
| WHS-MT-INS75  | Insulation - PIR - 150kPa - 0.022W/mK - 75mm x 1200mm x 2400mm  | £107.91              |
| WHS-MT-INS80  | Insulation - PIR - 150kPa - 0.022W/mK - 80mm x 1200mm x 2400mm  | £115.33              |
| WHS-MT-INS90  | Insulation - PIR - 150kPa - 0.022W/mK - 90mm x 1200mm x 2400mm  | £129.07              |
| WHS-MT-INS100 | Insulation - PIR - 150kPa - 0.022W/mK - 100mm x 1200mm x 2400mm | £142.82              |

# Insulation Ancillaries\*

\* Available as special order only



| Product Code  | Description                                         | Price (Excl 20% VAT) |
|---------------|-----------------------------------------------------|----------------------|
| WHS-X-POL1200 | Polythene dpm for hydronic systems 1200g (4m x 25m) | £102.13              |
| WHS-X-POL500  | Polythene dpm for hydronic systems 500g (4m x 25m)  | £86.11               |

# Hydronic Pipes

Warmup PE-RT (Polyethylene of Raised Temperature Resistance) pipe is extremely flexible with excellent long-term stress resistant properties combined with long-term strength at elevated temperatures. Warmup PE-RT is available in both 16mm and 12mm diameters.

The pipe guarantees leak free performance with a smooth internal structure for improved flow, reduced pressure loss and deposit formation. Warmup PE-RT pipe is ideal for underfloor heating systems as well as being suitable for hot and cold water sanitary and distribution systems and various heating systems for domestic, commercial & industrial applications.

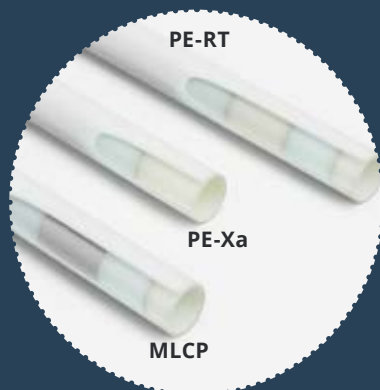
Warmup PE-RT pipe incorporates an EVOH oxygen diffusion barrier layer sandwiched within the wall of the pipe, protecting the EVOH layer from physical damage. The EVOH layer which complies with DIN 4726 renders the pipe virtually impervious to oxygen and other gases. PE-RT pipes retain flexibility at freezing temperatures and therefore do not break in sub-zero conditions. Pipes are produced and tested according under an ISO 9001 quality management system to four standards, namely DIN 16833, DIN 4726, ISO 22391 and ISO 10508.

## Warmup systems come with a choice of 3 types;

PE-RT, PE-Xa and MLCP. This choice guarantees that you have the best possible system, tailored to your specific installation and budget.

Warmup PE-RT Water pipe carries a lifetime warranty for great Peace of Mind.

**Our unique SafetyNet™ installation guarantee means that should you accidentally damage the pipe on site, return it to Warmup and they will replace it.**



✓ **PE-RT Coil sizes 12mm x 1.6mm  
– 50m, 60m, 70m**

**PE-RT Coil sizes 16mm x 2.0mm  
– 25m, 50m – 120m  
(10m increments)**

The Warmup PE-RT pipe is a 5 layer extrusion with an internal and external layer of raised temperature resistance polyethylene bonded to a protected EVOH oxygen barrier protected.

✓ **PE-Xa Coil sizes 16mm x 2.0mm  
– 25m, 50m – 120m  
(10m increments)**

The Warmup PE-Xa Pipe is formed as a single extrusion with an adhesive layer and EVOH oxygen barrier on the outer surface.

✓ **MLCP Coil Sizes 16mm x 2.0mm  
– 50m, 100m, 120m**

The Warmup MLCP pipe is a 5 layer composite pipe, incorporating layers of PE-RT and adhesives, encasing an aluminium core.



PE-RT Pipe 12mm x 1.6mm



| Product Code | Description                            | Price (Excl 20% VAT) |
|--------------|----------------------------------------|----------------------|
| PERT-12x50   | Pipe - PE-RT - 12mm x 1.6mm - 50m Coil | £25.40               |
| PERT-12x60   | Pipe - PE-RT - 12mm x 1.6mm - 60m Coil | £30.48               |
| PERT-12x70   | Pipe - PE-RT - 12mm x 1.6mm - 70m Coil | £34.42               |
| PERT-12x300  | Pipe PE-RT - 12mm x 1.6mm - 300m Coil  | £126.44              |

PE-RT Pipe 16mm x 2.0mm



| Product Code   | Description                                                 | Price (Excl 20% VAT) |
|----------------|-------------------------------------------------------------|----------------------|
| WHS-P-PERT-25  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 25m  | £20.75               |
| WHS-P-PERT-50  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 50m  | £33.40               |
| WHS-P-PERT-60  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 60m  | £40.31               |
| WHS-P-PERT-70  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 70m  | £46.63               |
| WHS-P-PERT-80  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 80m  | £53.54               |
| WHS-P-PERT-90  | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 90m  | £59.89               |
| WHS-P-PERT-100 | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 100m | £64.89               |
| WHS-P-PERT-110 | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 110m | £71.60               |
| WHS-P-PERT-120 | Pipes range -Pipe PE-RT 16mm x 2mm. Sold in lengths of 120m | £77.75               |
| WHS-P-PERT-300 | Pipe - PE-RT - 16mm x 2.0mm - 300m Coil                     | £188.22              |
| WHS-P-PERT-400 | Pipe - PE-RT - 16mm x 2.0mm - 400m Coil                     | £248.11              |

PE-Xa Pipe 16mm x 2.0mm



| Product Code   | Description                                                  | Price (Excl 20% VAT) |
|----------------|--------------------------------------------------------------|----------------------|
| WHS-P-PEXA-25  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 25m  | £24.58               |
| WHS-P-PEXA-50  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 50m  | £49.18               |
| WHS-P-PEXA-60  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 60m  | £59.01               |
| WHS-P-PEXA-70  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 70m  | £68.84               |
| WHS-P-PEXA-80  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 80m  | £78.68               |
| WHS-P-PEXA-90  | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 90m  | £88.51               |
| WHS-P-PEXA-100 | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 100m | £98.34               |
| WHS-P-PEXA-110 | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 110m | £108.19              |
| WHS-P-PEXA-120 | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 120m | £118.01              |
| WHS-P-PEXA-200 | Pipe - PE-Xa - 16mm x 2mm - 200m Coil                        | £189.68              |
| WHS-P-PEXA-300 | Pipe - PE-Xa - 16mm x 2mm - 300m Coil                        | £278.18              |
| WHS-P-PEXA-500 | Pipes range - Pipe PE-Xa 16mm x 2mm. Sold in lengths of 500m | £446.35              |

MLCP 16mm x 2.0mm



| Product Code | Description                          | Price (Excl 20% VAT) |
|--------------|--------------------------------------|----------------------|
| MLCP-50      | Pipe - MLCP - 16mm x 2mm - 50m Coil  | £41.19               |
| MLCP-100     | Pipe - MLCP - 16mm x 2mm - 100m Coil | £82.37               |
| MLCP-120     | Pipe - MLCP - 16mm x 2mm - 120m Coil | £95.05               |

*\*Available on special order*

# Warmup S3 Manifold™

| Product Code | Description                          | Price<br>(Excl 20% VAT) |
|--------------|--------------------------------------|-------------------------|
| WHS-M-S3-02  | Manifold - Stainless Steel - 2 Port  | £111.95                 |
| WHS-M-S3-03  | Manifold - Stainless Steel - 3 Port  | £149.99                 |
| WHS-M-S3-04  | Manifold - Stainless Steel - 4 Port  | £170.39                 |
| WHS-M-S3-05  | Manifold - Stainless Steel - 5 Port  | £190.78                 |
| WHS-M-S3-06  | Manifold - Stainless Steel - 6 Port  | £213.60                 |
| WHS-M-S3-07  | Manifold - Stainless Steel - 7 Port  | £234.00                 |
| WHS-M-S3-08  | Manifold - Stainless Steel - 8 Port  | £254.38                 |
| WHS-M-S3-09  | Manifold - Stainless Steel - 9 Port  | £282.04                 |
| WHS-M-S3-10  | Manifold - Stainless Steel - 10 Port | £297.59                 |
| WHS-M-S3-11  | Manifold - Stainless Steel - 11 Port | £315.55                 |
| WHS-M-S3-12  | Manifold - Stainless Steel - 12 Port | £339.18                 |

# Manifolds™ Ancillaries



Isolation Valves



Mixing Unit

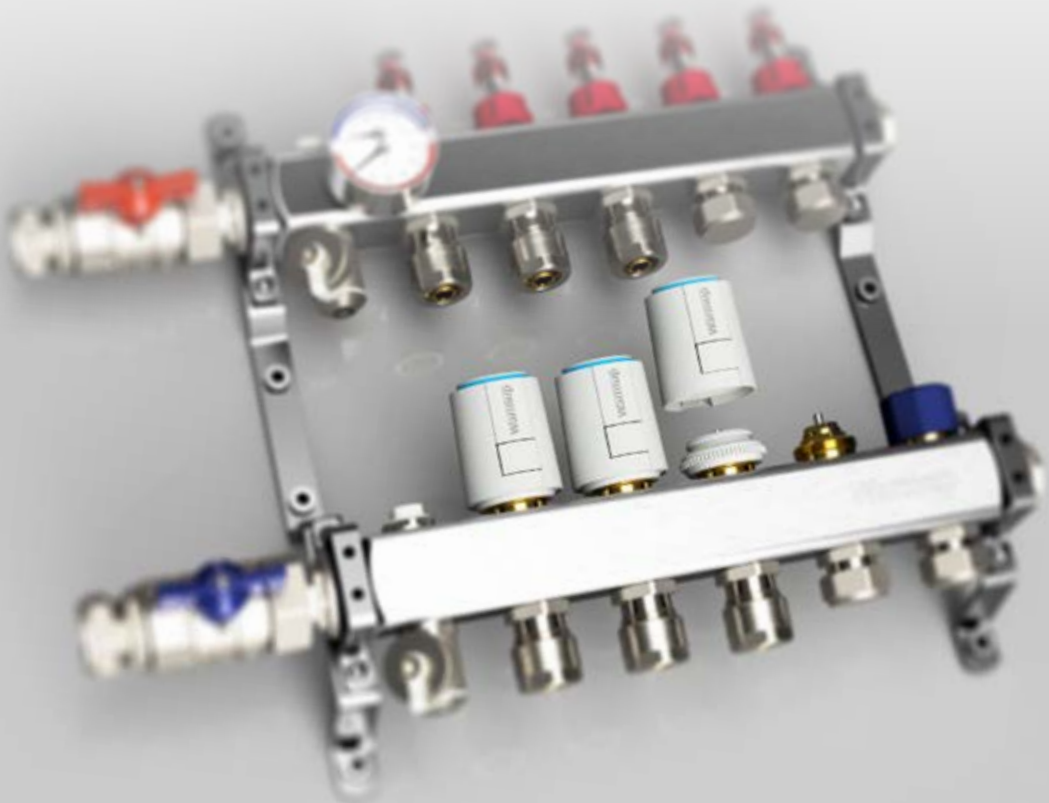


Blanking Cap



230V Actuator for Water Systems

| Product Code    | Description                                                      | Price<br>(Excl 20% VAT) |
|-----------------|------------------------------------------------------------------|-------------------------|
| WHS-M-S3-VALVES | 1" isolating valve pair, 1" unions and 22mm compression fittings | £33.46                  |
| WHS-M-S3-MIX    | Mixing Unit, c/w Grundfos UPM3                                   | £374.87                 |
| WHS-M-B-CAP     | Blanking Cap - 3/4"                                              | £2.98                   |
| WHS-M-S3-ACT230 | Electrothermic Actuator - 230V                                   | £22.00                  |

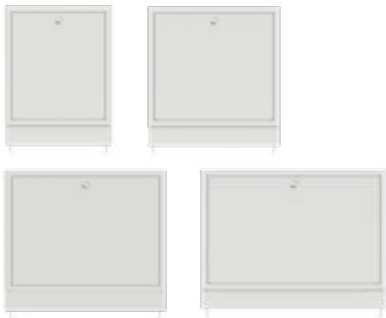


# Pipe Connectors



| Product Code       | Description                                    | Price (Excl 20% VAT) |
|--------------------|------------------------------------------------|----------------------|
| ACC-CONNECT12x1.6  | Pipe Connector - 3/4" Eurocone to 12mm x 1.6mm | £2.25                |
| WHS-P-CONNECT      | Pipe Connector - 3/4" Eurocone to 16mm x 2.0mm | £2.25                |
| ACC-CONNECT15      | Pipe Connector - 3/4" Eurocone to 15mm x 1.8mm | £2.45                |
| ACC-DEURSOCKET     | 3/4" x 3/4" Double Eurocone Socket             | £3.05                |
| ACC-REDUCERFITTING | 3/4" Eurocone Socket to 1/2" Male BSP          | £2.80                |

# Manifold Cabinet



| Product Code    | Description                                     | Price (Excl 20% VAT) |
|-----------------|-------------------------------------------------|----------------------|
| ACC-cabinet600  | In-wall Manifold Cabinet 110mm x 786mm x 600mm  | £157.11              |
| ACC-cabinet750  | In-wall Manifold Cabinet 110mm x 786mm x 750mm  | £168.57              |
| ACC-cabinet900  | In-wall Manifold Cabinet 110mm x 786mm x 900mm  | £201.02              |
| ACC-cabinet1050 | In-wall Manifold Cabinet 110mm x 786mm x 1050mm | £220.66              |

# Single Circuit Mixing



| Product Code | Description               | Price (Excl 20% VAT) |
|--------------|---------------------------|----------------------|
| MFD-RM01-12  | 12mm Single Circuit Mixer | £506.45              |
| MFD-RM01-16  | 16mm Single Circuit Mixer | £470.28              |



| Product Code          | Description                                          | Price (Excl 20% VAT) |
|-----------------------|------------------------------------------------------|----------------------|
| WHS-P-BEND12          | Curved Pipe Support - 12mm                           | £2.25                |
| WHS-P-BEND            | Curved Pipe Support - 16mm                           | £1.50                |
| ACC-PIPECLIPS12       | Pipe Clip - 12mm (Pack of 12)                        | £7.17                |
| WHS-SI-N16            | Pipe Clip - 16mm (Pack of 100)                       | £12.00               |
| DCM-E-25              | Perimeter Expansion Strip - 10mm x 30mm x 25m (Roll) | £24.55               |
| AC-EDGE25             | Perimeter Expansion Strip - 8mm x 150mm x 25m (Roll) | £23.37               |
| WHS-X-EDGE50          | Perimeter Expansion Strip - 8mm x 150mm x 50m (Roll) | £33.80               |
| WHS-CL-CONDUIT10      | Pipe Conduit - 25mm x 10m                            | £11.93               |
| WHS-CL-CONDUIT        | Pipe Conduit - 25mm x 50m                            | £66.10               |
| WHS-ZONE VALVE 2 PORT | 2-Port Motorised Zone Valve - 22mm                   | £62.39               |

# Primer, Leveller & Adhesives



Primer



Mapei Ultraplan



ProFlex SP



ProFlex S2



Mapei Ultrabond

| Product Code   | Description                                   | Price (Excl 20% VAT) |
|----------------|-----------------------------------------------|----------------------|
| ACC-WUPRIMER   | Warmup Primer                                 | £18.63               |
| ACC-SELFLEVEL  | Mapei Ultraplan Renovation Screed 3240 (25kg) | £21.38               |
| ACC-GLUE       | Mapei Ultrabond VS90 Plus (15kg)              | £95.45               |
| ACC-S1ADHESIVE | S1 Tile Adhesive - ProFlex SP (20kg)          | £23.60               |
| ACC-S2ADHESIVE | S2 Tile Adhesive - Proflex S2 (20kg)          | £32.54               |

# Tools and Accessories



Pipe Decoiler



Calibration Tool

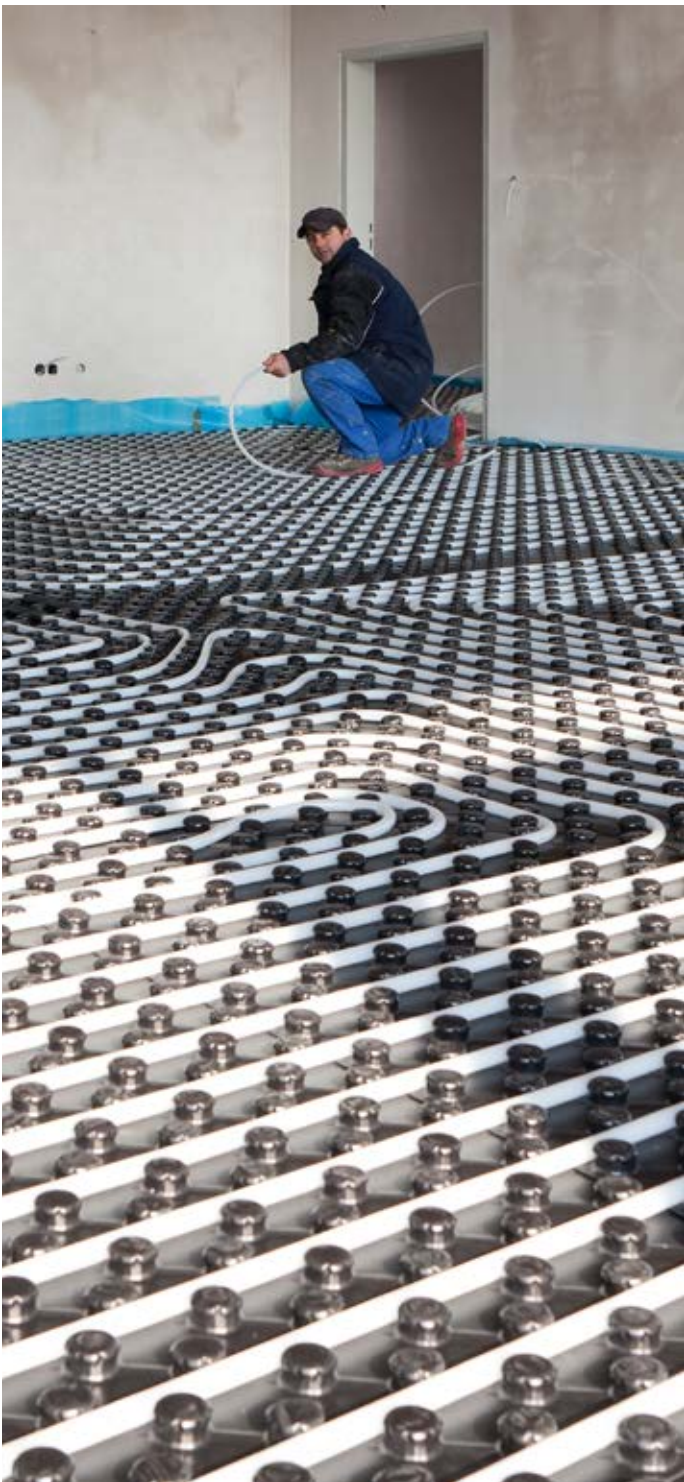


Pipe Cutters - Ø≤25mm



Pipe Cutters - Ø≤36mm

| Product Code   | Description                    | Price (Excl 20% VAT) |
|----------------|--------------------------------|----------------------|
| WHS-P-DECOILER | Pipe Decoiler                  | £393.55              |
| WHS-P-FORM     | Calibration Tool for MLCP Pipe | £2.98                |
| WHS-P-CUT25    | Pipe Cutters - Ø≤25mm          | £24.78               |
| WHS-P-CUT36    | Pipe Cutters - Ø≤36mm          | £27.46               |



2.5 Million Systems Installed In 72 Countries | British-Based Company | Lifetime Warranty\* Offered | Won The Queen's Award, in 2020 | Help 24 / 7 / 365

## Outdoor Heating Snowmelting and De-icing Systems

Increase the safety of your home in the winter by keeping roofs, driveways and paths snow-free and frost-protected with our wide range of outdoor heating solutions. Cold winter weather can add extra strain on your home, especially when there is need to shovel and salt driveways, terraces, walkways or stairs or clear snow build-up from your roof or gutter. Warmup's range of snowmelting systems use advanced heating technology to help eliminate these problems, efficiently and automatically.



# Outdoor Heating Solutions

When it comes to safety in winter, every precaution should be taken. Using Warmup's outdoor heating solutions mean dangerous ice and snow build-up is reduced in concrete, paved or asphalt areas minimising the risk of accidents.

## For Commercial & Residential use

Warmup offers a range of solutions, whether commercial walkways, loading docks, ramps or residential driveways and stairs.

## Snow Melting Cables

The resistance-heating element has a single end connection and is completely grounded and safe. The 25W/m cable is ideal for outdoor areas in concrete, under pavers or asphalt. The Snowmelt Cable is available in 2 different versions to suit concrete/slab and asphalt and comes with a 10 year warranty.

For more information on the systems available or application of Snowmelt, please contact our Sales Support Team on 0345 345 2288 or visit [www.warmup.co.uk](http://www.warmup.co.uk)

### Concrete Applications



### Asphalt Applications



Scan the code for more information about this product.

Always refer to the installation manual prior to commencing your project.

## Self-Regulating Cable

During the winter months when temperature drops and snow fall increases, roofs and gutters are affected. Warmup's Self-Regulating Cable is perfect to protect pipes from freezing and gutters, roofs and downspouts from dangerous accumulation of ice and snow.

One of the unique differences between the Self-Regulating Cable and traditional heating cables is that the Self-Regulating Cable can be cut to the exact length required without damaging the heating properties of the cable.

Once the cable is in operation, it de-ices roofs and gutters from snow build-up by responding to the ambient temperatures – the heating output increasing, the colder the weather. This ambient response function provides an energy efficient solution as it only increases its heating output when needed and achieves freeze protection by creating clear drain paths required for melted snow and ice to flow freely, avoiding the adverse results of winter.

For more information on the application of the Self-Regulating Cable, please contact our Sales Support Team on 0345 345 2288 or visit [www.warmup.co.uk](http://www.warmup.co.uk)



# Global Projects Division

Warmup offers a dedicated team to help you throughout each stage of your project by allocating a dedicated Contract Manager to support you from specifying and fitting, through to pre and post-installation.

## Our Approach

Upon receipt of your instructions and/or plans you will be assigned a dedicated in-house Project Manager.

Your Project Manager will contact you to review your project to ensure we have a complete understanding of your needs and the issues affecting your project.

Upon receipt of all relevant project information including details of floor build up and final floor surface, a quotation will be turned around within 24 hours. Complex projects will take longer. At this point, you will be assigned a contract manager.

Where appropriate we will provide advice, guidance and support both on and off-site where potential risks can be identified and prevented.

Provide the highest quality of products and services that are tailored to meet your specific requirements, adhering to best practice at the right price and at the right time.

## Specification Process

Warmup products and solutions adhere to industry standards, government legislation and Building Regulations. The project team, led by your dedicated Contract Manager, will always recommend the best underfloor heating solution for your project, mindful of the need to keep to your specification, project works schedule and budget.

Upon receipt of your order, Warmup will provide working drawings to ensure there is a precise installation and zone control to the required area.

Working in collaboration with you, we will ensure co-ordination with the layouts and any integrated interior designs.



Scan to find  
out more!

## Warmup provides quality products and services and will:

Only promise what we can deliver.

Deliver on what we promise.

Always remember that the products and services offered and installed by Warmup stand for quality.

## We are committed to providing an excellent level of service and aim to deliver this by:

Focusing on your needs when recommending solutions, planning and delivering services.

Applying the same standard of customer care to all our customers, whilst recognising that customers have individual needs



## Pro Installer Programme

Join Warmup Pro today to become a Warmup Pro Installer.

### All you need to do is:

Sign up to Warmup Pro, complete Level 1 training (online based), attend one of our Level 2 Installation training sessions.

Verified Warmup Pro Installers get access to our quote referral programme & Super SafetyNet™.

Sign up today at  
[pro.warmup.co.uk](https://pro.warmup.co.uk)



# Support

## “The Best Floor Heating – Guaranteed”

To the exceptional team that built Warmup, these are not just any words that can be said by any company.

### They are our promise – to you.

The warranties on our products are possible thanks to our commitment to Research and Development, on-going quality assurance from the ISO 9001 process and the testing requirements of the BEAB and other regulatory houses.

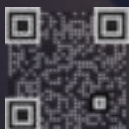
All of our systems come complete with working drawings, installation manuals and commissioning guidance.

In addition we have a suite of online tutorial videos but we appreciate that sometimes things just don't go according to plan and we ensure we are there to help during those moments as well.

## Warmup Smartcare

Warmup Smartcare is an enhanced customer service experience that provides real-time personalised support for your home's heating system.

- ✓ **Improves your home's energy performance.**  
Helps assess energy usage and can save you money on your bills.
- ✓ **Rapid troubleshooting assistance**  
Reduces uncertainty when diagnosing issues with heating systems.
- ✓ **For use with Warmup WiFi-connected thermostats**  
Compatible with the 7iE™ Smart Matter WiFi Thermostat and Element WiFi Thermostat.



Scan to find out more!

# Technical Support

We offer support at every stage of a project, from an initial enquiry right through to post completion occupancy and then for the lifetime of the system. **Support is available from a member of the Warmup team 24 hours a day 365 days a year by calling 0345 345 2288.**

Alternatively we offer online 'live chat' via our website between 08.30 and 17.30 hrs Monday to Friday.

If the heating system suffers accidental damage during installation, we will replace it free of charge under our SafetyNet™ Installation Guarantee

If a floor is damaged post installation, we offer a dedicated team of service engineers to identify and rectify the fault.

## Warranty Durations



Warmup PE-RT & PE-Xa  
Underfloor heating pipe  
– Lifetime Warranty



Warmup MLCP  
Underfloor heating  
pipe – 50 year  
Warranty



Warmup WiFi Smart  
Thermostat 12 year  
Warranty



Warmup  
Manifold – 10 year  
Warranty



Warmup Actuators  
– 2 year Warranty



Warmup  
Thermostat  
3 year Warranty



Warmup Pumps  
– 2 year Warranty  
Control Systems



Scan to find out more!

**SAFETYNet™**  
Installation-Guarantee

If you accidentally damage the underfloor heating pipe during installation, return it to Warmup and **we will replace it for FREE.**



## Warmup Trade Counter

Central London's only floor heating advisory centre, warehouse and 2hr delivery service, with early opening and late closing times.

All Trade Customers will be able to purchase using their existing trade terms of their usual Warmup stockist.

### Advisory and Quote Service

Call or email for an appointment.  
All your key questions answered by the experts, such as:

- Electric vs Water systems
- Energy efficiency, CO2 emissions and running costs
- Most appropriate system for your project, e.g. low build or inscreed
- Layout drawings and install steps

### Super fast ordering and pick up

Call ahead, check availability and order. Collect your items in 30 minutes, grab free coffee, tea and snacks and get hands on with our latest products.

Complementary solar powered charging available for electric and hybrid vans while you wait.

### 2 hour London delivery

Check online or call us for costs and precise timings for your area.

### Early opening, late closing

7am opening and 6pm closing to suit your busy schedule.



**Find out more**

**V251211**