Electric | Water | Bathroom | Controls

Warmup®

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

Warmup products are reliable, high-quality floor heating solutions, with exceptional customer support, unbeatable warranties, and a commitment to environmental sustainability.

What's new

London Trade Counter and Advisory Centre

Expert advice, super fast order and pick up, 2hr London delivery

Warmup Smart Care™

Energy efficiency advice and remote diagnostics for your system

New unique Water floor heating systems

Full range of ultra low build and in screed systems for all projects

Industry Leading Instant Quote Tools

Automatic heat loss estimates, bespoke designs, lower energy usage

Get a Quote

0345 345 2288

www.warmup.co.uk

Warmup Water Underfloor Heating Systems

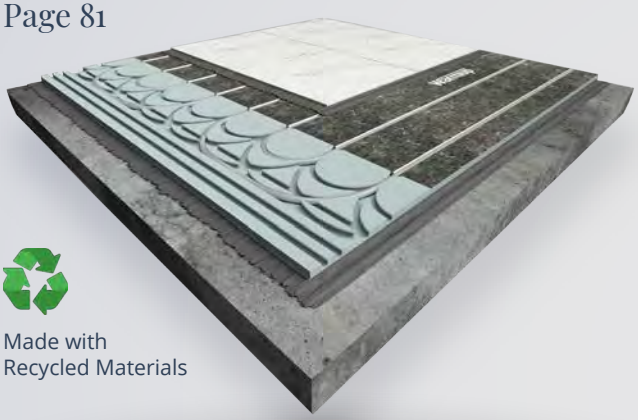
NEW PRODUCT

VLo Ultra-12™

Low Build System
Ideal for use with uninsulated floors.

Page 81

- ✓ 18mm Build-Up
- ✓ Tile Directly Over
- ✓ Market Leading Heat Output



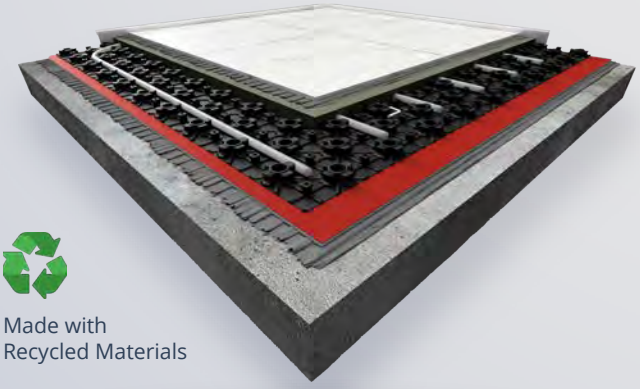
Made with Recycled Materials

VLo Nexxa-12™

Castellated System
Designed for use with insulated floors.

Page 87

- ✓ Easy installation
- ✓ Excellent Thermal Properties
- ✓ For All Floor Finishes



Made with Recycled Materials

Warmup Water Underfloor Heating Systems

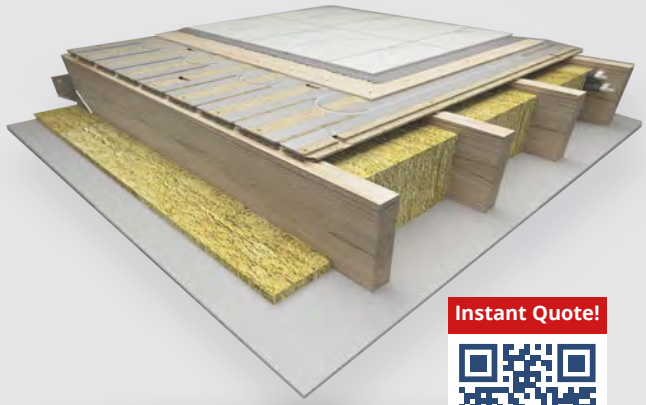
NEW PRODUCT

VLo Econna-12™

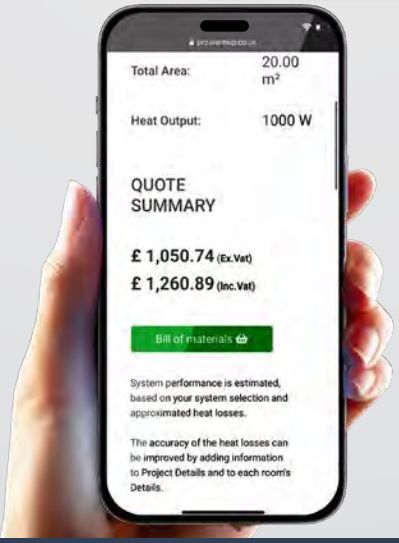
Joisted Floor System
Perfect to install with joisted floors

Page 85

- ✓ 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!

LIFETIME LIMITED WARRANTY Warmup

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

More Information About Warmup ***VLo* Range** *on Page 81-92*

More Information About Warmup **Quotation tool** *on Page 79-80*

6iE™

WiFi Thermostat

The smartest, most efficient way to control the world's best selling floor heating

£155.44
Excl. 20% VAT

Element™

WiFi Thermostat

Energy-efficient heating control designed with simplicity and stylish functionality

£114.36
Excl. 20% VAT

Benefits

1. Automated control of your heating
2. Reduces energy use by up to 25%
3. Reduce energy bills by over £400

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

More Information About Warmup
6iE™ WiFi Thermostat *on Page 139*

More Information About Warmup
Element™ WiFi Thermostat *on Page 143*

Warmup Trade Counter

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

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 Smart Care™

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 Smart Care is a bespoke Smart heating support service that ensures 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 Smart Care support team.

Find out more

The Best Warranties, Installation Guarantee and Accreditations

SAFETY Net™
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!**

LIFETIME* LIMITED WARRANTY Warmup

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

*Visit warmup.co.uk for details

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

30th ANNIVERSARY Warmup

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2020

bsi. ISO 9001 Quality Management
FS 586320

CE UKCA

Award Winner 2018

BEAB Approved Intertek

AVIS TECHNIQUE

CC FAT

FI

UK TRADE & INVESTMENT
Exceptional Manufacturer of the Year
London Passport to Export Awards

c UL us LISTED

ETL Intertek

CSA C US

Constructionline
A UK GOVERNMENT CERT F CAT ON SERV CE

BEA Business Excellence Awards
SOUTH HERTFORDSHIRE • SOUTH BUCKINGHAMSHIRE • NORTH LONDON • NORTH WEST LONDON

beama

TTA

MATERIAL · RIBA · CPD ASSESSED

Why Warmup

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Warmup Electric Floor Heating Systems & Insulations

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Warmup Water Floor Heating Systems

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Water Pricelist

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Warmup Bathroom Collection

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Warmup Smart WiFi & Programmable Thermostats

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Outdoor Heating Solutions

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Global Projects Division

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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. As buildings across the world begin to utilise low carbon technologies, our systems can offer radiant warmth to millions of people with a combined reduction of 170,000 t CO_2 by 2025.

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.

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™, 6iE™, 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**

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

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.

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 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**

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**

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**, 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.

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

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

	2m²	4m²	5m²	10m²	15m²	25m²
1 hrs	2 p	5 p	6 p	12 p	18 p	30 p
2 hrs	4 p	7 p	9 p	18 p	27 p	46 p
3 hrs	5 p	10 p	12 p	25 p	37 p	62 p
4 hrs	6 p	12 p	16 p	31 p	47 p	78 p
5 hrs	7 p	15 p	19 p	37 p	56 p	94 p
6 hrs	9 p	18 p	22 p	44 p	66 p	109 p
7 hrs	10 p	20 p	25 p	50 p	75 p	125 p
8 hrs	11 p	23 p	28 p	57 p	85 p	141 p

Financial figures in UK pence based on 2023 tariffs
Calculated running costs for a typical Living Room meeting Part L 2002 building regulations. Electricity cost 34.0 p/kWh.

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 m²	2 hrs	1 hr	**£39.06**
Kitchen	10.5 m²	1 hr	2 hrs	**£43.82**
Lounge	17.5 m²	0 hrs	3 hrs	**£74.57**

*Estimated UK energy price of 34.0 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

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_2 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.

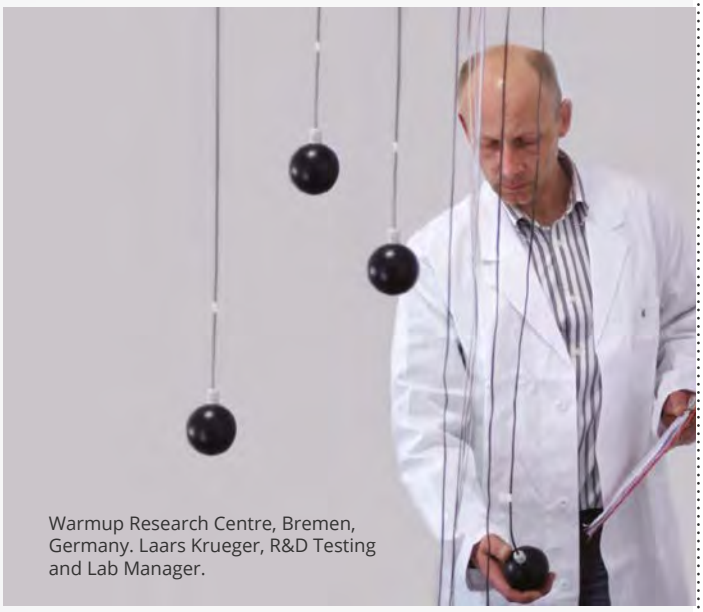
We use this data, in combination with the discoveries made at our Research Centre, to improve our energy models, innovate with our product design and provide world class solutions to our customers.

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_2 will I save?'

Over 30 years of research driven knowledge and experience, creating innovative new products with

Lifetime Limited Guarantees



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

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

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 loose 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 **6iE™ Smart 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.

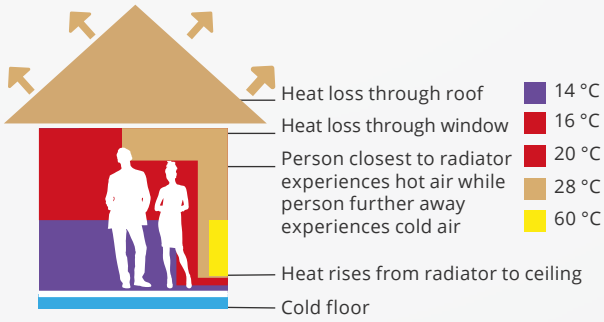
Design freedom - underfloor heating means no bulky radiators to take up valuable wall and floor space.

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.

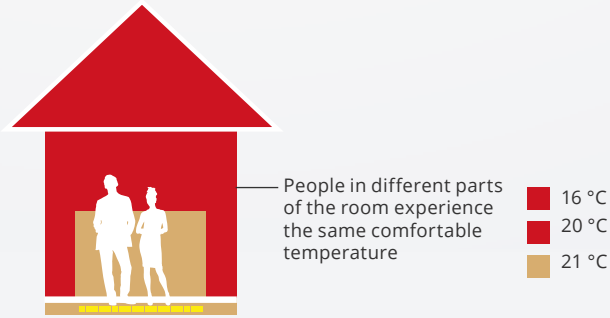
No maintenance - there is no maintenance required for electric underfloor heating and little to no maintenance required on our water systems.

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



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

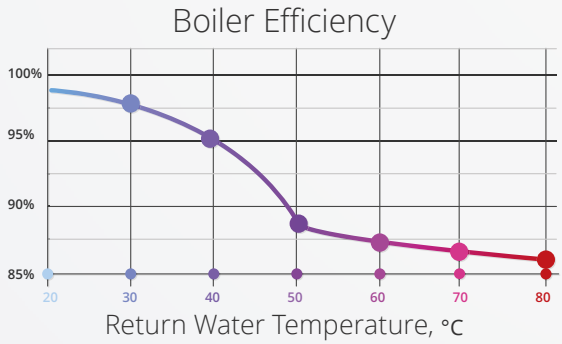
There is an additional benefit unique to hydronic underfloor heating. **Lower water temperatures are required for hydronic underfloor heating to operate as designed, which in turn allows heat sources to operate more efficiently.**

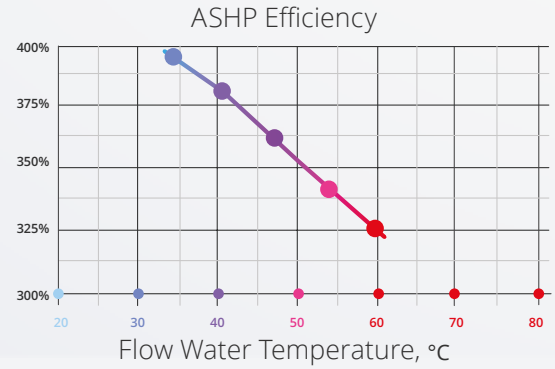
At the time of writing, the percentage of condensing boilers installed throughout the UK that actually operate with a return water temperature lower than approximately 54°C, allowing them to condense the flue gasses and recover the heat from them, is unacceptably low.

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!

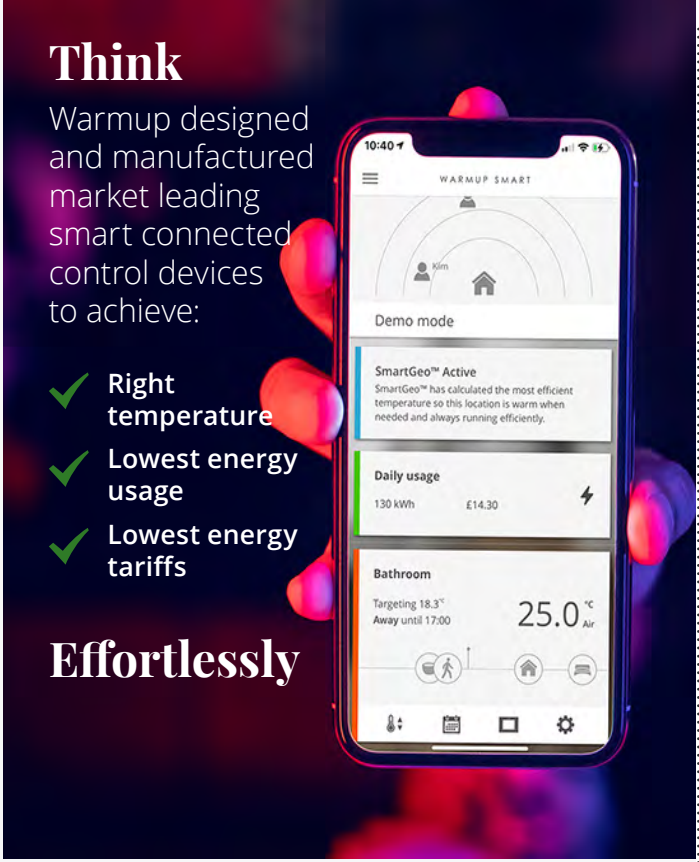
With underfloor heating, the return water temperature is likely to be lower than 40°C by design. Allowing the boiler to condense, boosting its efficiency to 94%, an 8% increase relative to the conventional systems.

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



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!

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

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.**

Warmup's Unique Advantages

Warmup PRO ELECTRIC

- **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 HYDRO

- **Lifetime Warranty** on PE-RT pipe
- **Best in Class Manifold**
- **Unique low build up *VLo* Ultra-12**
- **Konekt Smart Controls for hUFH and Rads**,
- **Pro Hydro quote tool -** automated flow and temperature settings specific to every system

Warmup Hydro 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

Water Quick Quote

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

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_2 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 CO2 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_2 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_2 emissions. For example:

Replace your central heating controls with Warmup Smart Controls to save 421kgCO_2 per year (17% reduction)

Upgrade your kitchen and bathroom to Warmup Electric floor heating with smart controls to save 885kgCO_2 per year (35% reduction)

Transform your home with a full Warmup Water floor heating system with a heat pump to save 2067kgCO_2 per year (82% reduction). Combine with a renewable energy source such as solar for a zero-carbon home heating system.

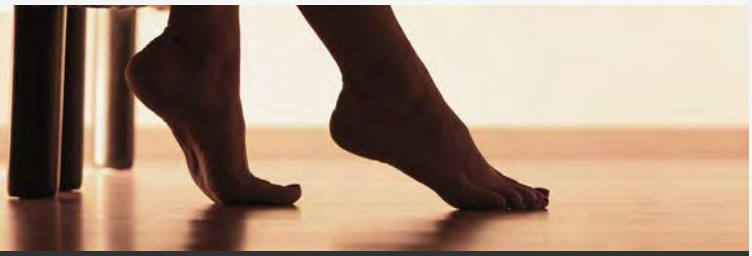
Based on typical 100m² home meeting Part L 2002 building regulations and 2023 GHG Protocol emission factors.

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™ **200**W/m²	*StickyMat™ **150**W/m²	InScreed Cable™	Foil Heater™	
Page No.	**25**	**37**	**33**	**33**	**41**	**45**	**72**
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:

Karndean Designflooring

amtico spacia

amtico signature

S3 Manifold

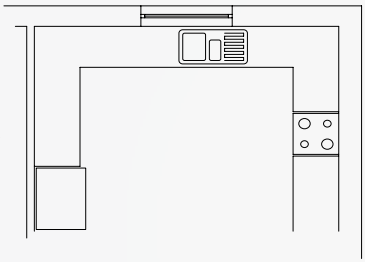
The Warmup S3 Manifold provides regulation for up to twelve underfloor heating circuits with an optional mixing unit available to provide advanced water temperature control.

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

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

4 Easy Steps to Calculate your UFH Requirements for Electric Systems

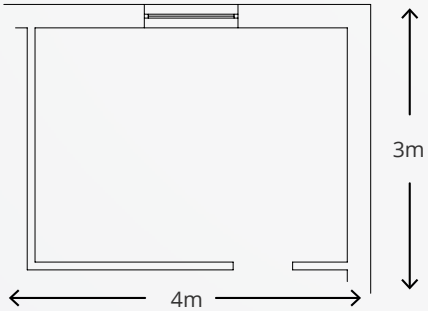
To calculate the eUFH heater size that you require for your room(s), you need to determine the heatable floor area. This is the total floor area less the area taken up by any fixed objects or furniture with enclosed bases, i.e. kitchen units, a bath etc. You should only heat areas of the floor you can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

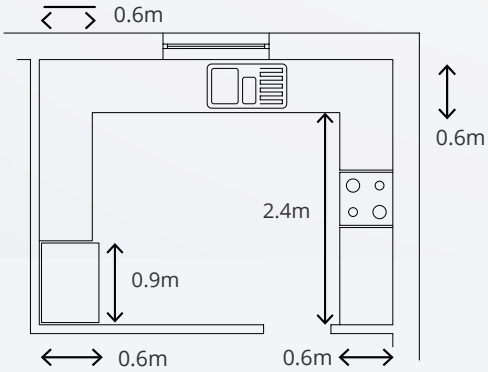


Work out the total floor area.

If the overall room is rectangular in shape and 4m by 3m, all you need to do is multiply both numbers; 4m x 3m = 12m²

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; (4.0m x 0.6m) + (2.4m x 0.6m) + (1.5m x 0.6m) = 4.7m²

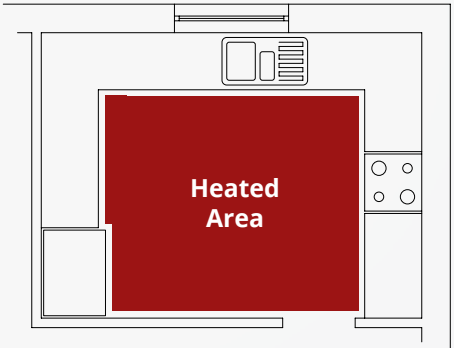
2. Fridge Freezer; 0.9m x 0.7m = 0.6m²

3. 50mm Unheated perimeter; "approximately" (2.8m + 2.4m + 2.8m + 2.4m) x 0.05m = 0.5m²

4. Unheatable area; 4.7m² + 0.6m² + 0.5m² = 5.8m²

Step 3

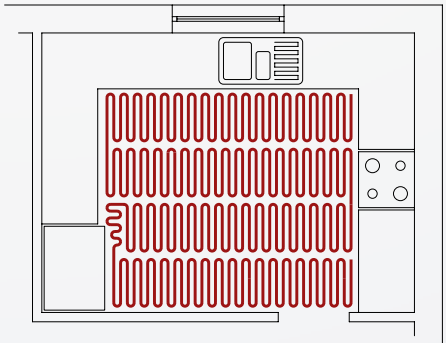
Determine the heatable floor area



Take your total floor area (from Step 1) and remove the unheatable floor area (from Step 2). In the example layout shown, this is; 12.0m² - 5.8m² = 6.2m²

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 6m².

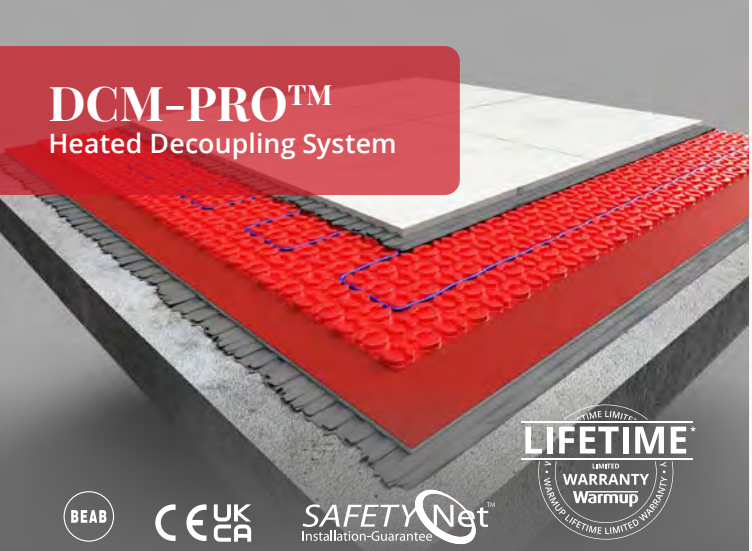
Electric Underfloor Heating

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).

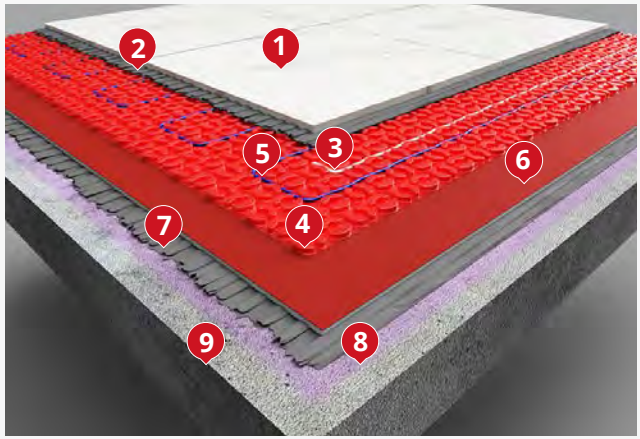
The self-healing decoupling layer contracts and expands to deal with seasonal changes, preventing damage occurring from gaps and cracks in the subfloor. **(Patent No. GB2548319B)**

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*

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Technical Specification

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

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

Warmup DCM-PRO™ Cables			
Product Code	**DCM-C-X (DCM-PRO™)** **DCM-C-LW-X (DCM-PRO™ Low Wattage)**	**Cable Sheath**	**Blue (DCM-PRO™)** **Green (DCM-PRO™ Low Wattage)**
Connection	3.0 m long coldtail 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) **DCM-C: 150 W/m²** **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 (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*

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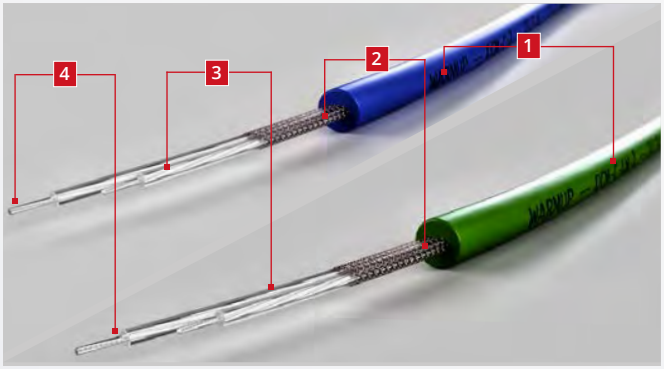
Low Wattage Cable	Heated area at different spacings, m²			Price (Excl. 20% VAT)
	Castellations			
	2	3	4	
Product Code	60mm	90mm*	120mm	
	82.5 W/m²	55 W/m²	41.3 W/m²	
DCM-C-LW-1	0.7	1.0	1.3	£104.87
DCM-C-LW-1.5	1.0	1.5	2.0	£114.63
DCM-C-LW-2	1.3	2.0	2.7	£137.74
DCM-C-LW-2.5	1.7	2.5	3.3	£155.52
DCM-C-LW-3	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 - 1m² **Sheet**	1,040	980	£20.62
DCM-M-15	DCM-PRO Peel & Stick Mat - 15m² **Roll**	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 - 0.73m² **Sheet**	741	985	£15.05
DCM-PS-14	DCM-PRO Peel & Stick V3 Mat - 14m² **Roll**	14,252	985	£276.23
DCM-F-0.73	DCM-PRO Fleece V3 Mat - 0.73m² **Sheet**	741	985	£12.79
DCM-F-14	DCM-PRO Fleece V3 Mat - 14m² **Roll**	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).

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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/m².

If installing **DCM-PRO™** directly onto a screed floor without using insulation, use **DCM-PRO™** at it highest power of 225W/m², this is because the screed will take longer to warm up.

If specific heat losses are known, we recommend adding 25W/m² and selecting the closest system power from our **DCM-PRO™** or **DCM-PRO™ Low Wattage** range that exceeds this value. Typically, a 55W/m² system is sufficient to heat most rooms in new homes and reduces the electrical load compared to a traditional 150W/m² 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.

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.

BEAB Approved Intertek | CE UK CA | SAFETY Net Installation-Guarantee™ | LIFETIME LIMITED WARRANTY Warmup

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.

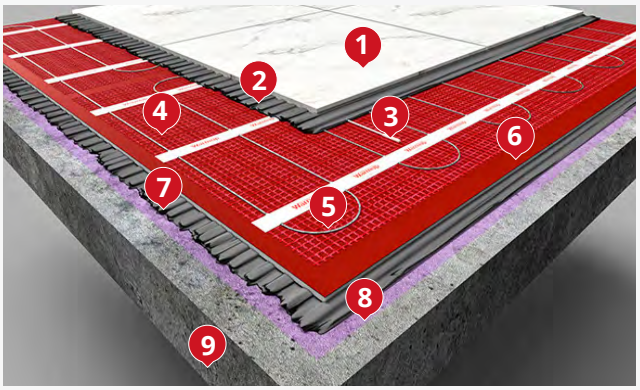
✓ No Increase In Floor Levels

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!*
6	**Warmup Ultralight™ (optional)** *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		

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StickyMat™ Price Guide

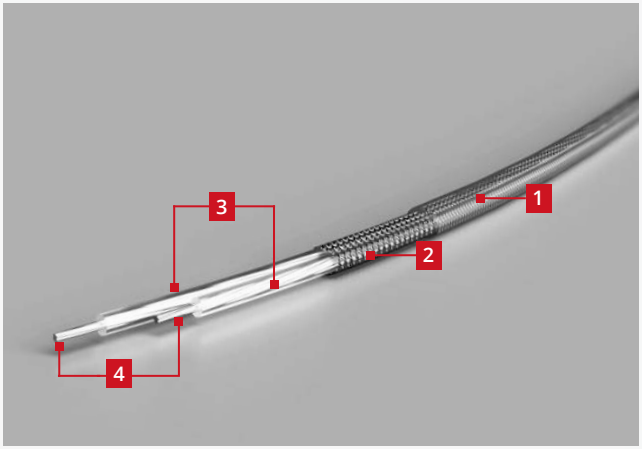
150W/m² System

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

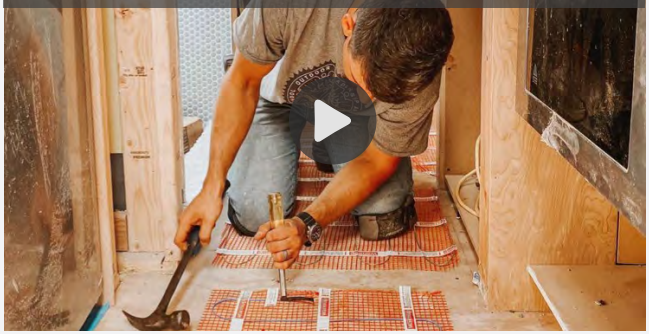
(Refer to installation manual for complete instructions)

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!



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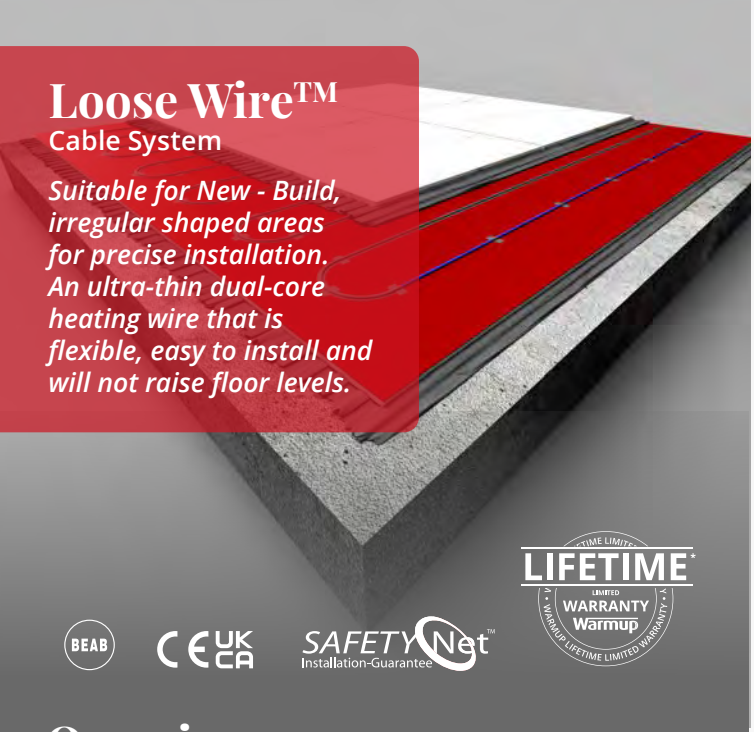
Loose Wire™
Cable System

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.



BEAB | CE UK CA | SAFETY Net Installation-Guarantee | LIFETIME LIMITED WARRANTY Warmup

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.

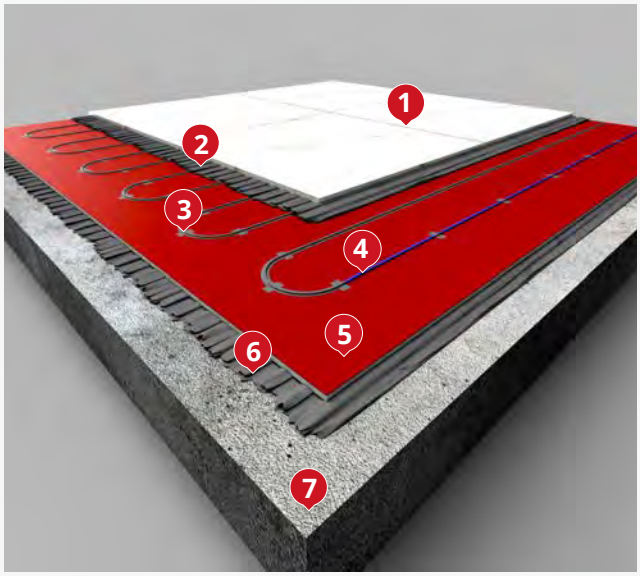
✓ 1.8mm Multi-Strand Cable

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.

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/m²
Cable Thickness	1.8mm	**Connection**	3.0 m long coldtail Flat 2 core cable with earth braid
Operating Voltage	230 V AC: 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

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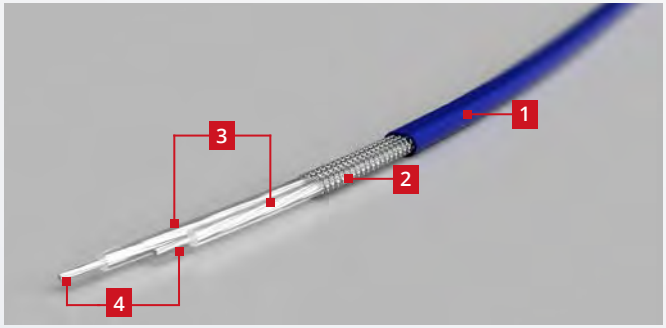
Loose Wire™ Price Guide

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 20.

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.*

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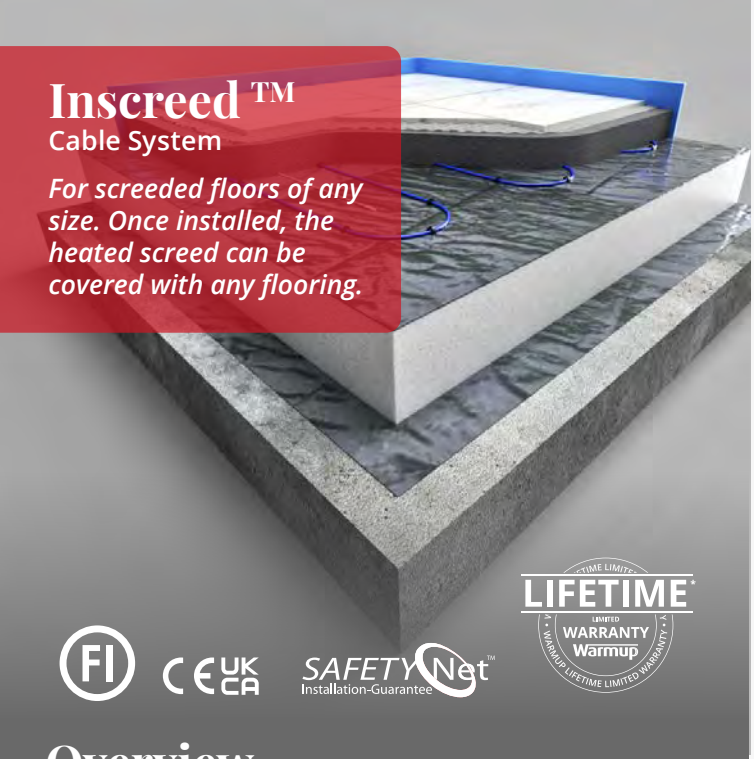
Inscreed™
Cable System

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



FI CE UK CA SAFETY Net™ Installation-Guarantee

LIFETIME LIMITED WARRANTY Warmup

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.

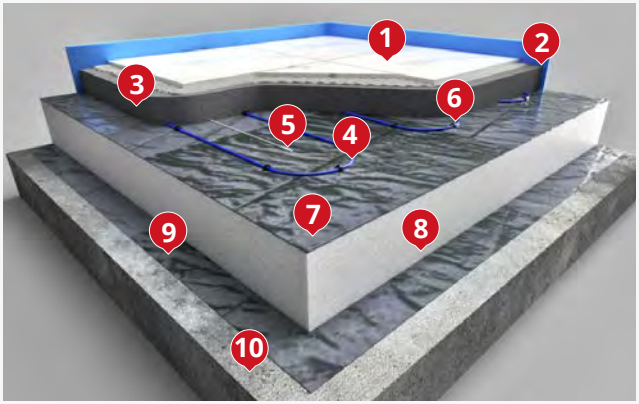
✓ No Change in Floor Build-Ups

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	WISXXX XXX = Total Wattage	**Cable Sheath**	Blue
Connection	1.5 mm², 2.50 m 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	5.30	**Spacing**	100mm (200W/m²) 133mm (150W/m²) 200mm (100W/m²)

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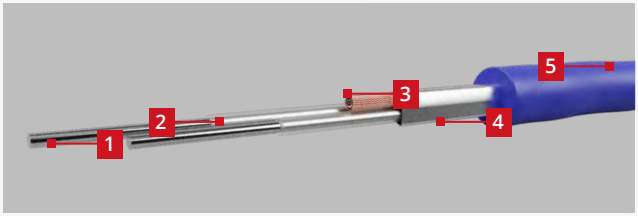
Inscreed™ Cable Price Guide

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.

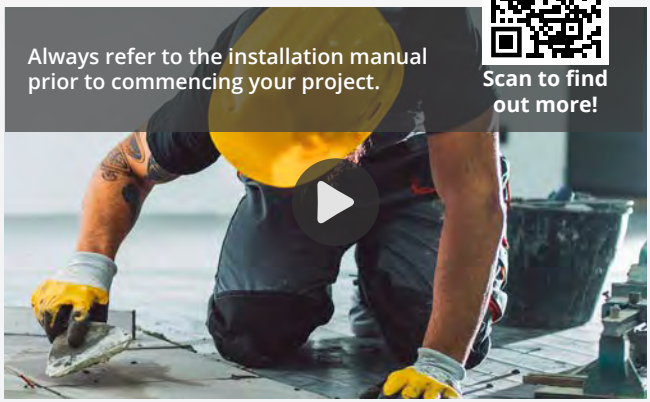
How thick is the screed used with the system?

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.*



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Foil Heater ™

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

**Excludes bathrooms.*

BEAB Approved Intertek | CE UK CA | SAFETY Net Installation-Guarantee | WARMUP 15 YEAR WARRANTY · 15 YEAR LIMITED WARRANTY Warmup · WARMUP 15 YEAR WARRANTY

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 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	**Floor Finish** *Compatible floor finishes such as laminate, or carpet, linoleum and vinyl flooring if using Dual Overlay*
2	**Warmup Foil Heater™**
3	**Warmup Insulated Underlay™**
4	**Subfloor**

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

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Foil Heater™ Price Guide

140W/m² System

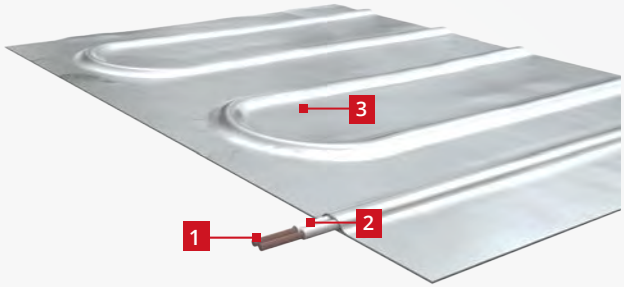
Product Code	Area Heated	Wattage	Amps	Price (Excl. 20% VAT)
WLFH-140W/140	1	140W	0.61A	£82.47
WLFH-140W/210	1.5	210W	0.91A	£100.15
WLFH-140W/280	2	280W	1.22A	£125.68
WLFH-140W/420	3	420W	1.83A	£189.51
WLFH-140W/560	4	560W	2.43A	£236.64
WLFH-140W/700	5	700W	3.04A	£290.65
WLFH-140W/840	6	840W	3.65A	£342.69
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 18mm x 600mm x1200mm Coverage 0.72 (m²)	£35.37
UK-WUK-AC-WDO-HIDECK-ADH	HiDECK PRO Adhesive 1 Litre bottle Covers 33m²	£34.62
WDO Warmup Dual Overlay System	7mm Base Boards Pack 2.88m²	£87.80
WIU2.5	6mm Underlay 120cm Wide, 200cm Length - 2.5m²	£33.37
WIU5.0	6mm Underlay 120cm Wide, 400cm Length - 5m²	£62.82
WIU10.0	6mm Underlay 120cm Wide, 800cm length - 10m²	£121.73
WIU25.0	6mm Underlay 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.

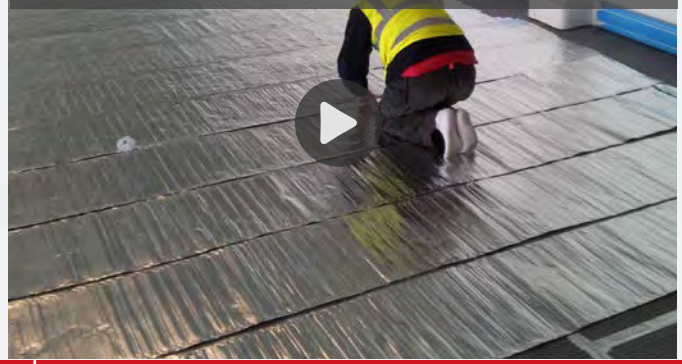
Installation Guide

(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!



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!

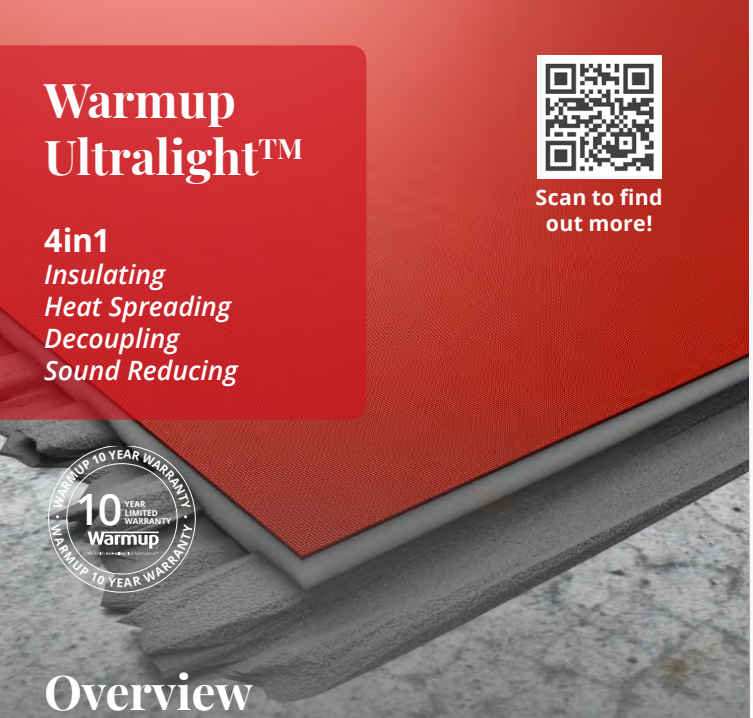
Matching the system with the appropriate insulation

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	6 mm ±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

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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

6 mm Ultralight™ Insulation - 29°C Surface Limit

6 mm Traditional Insulation - 29°C Surface Limit

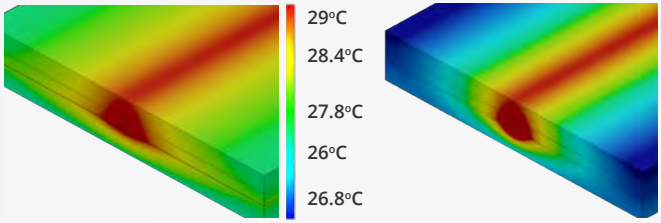

Fig. 1 - Improved Heat Spread of Ultralight™ Vs Traditional Insulation

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

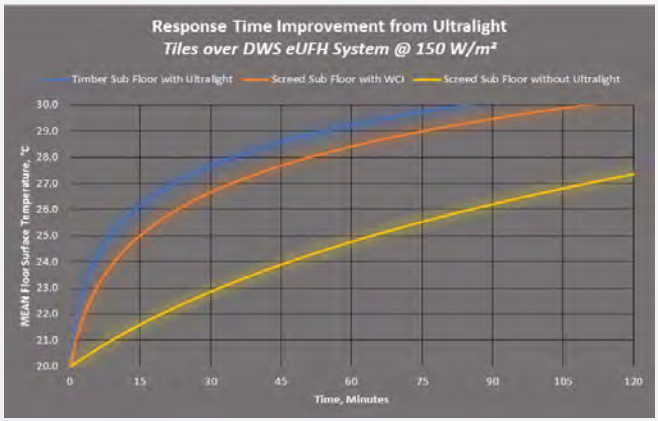

Fig. 2 - Improvement in response time due to using Ultralight™

In tests, a 150 W/m² eUFH heater over a 65 mm 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

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Warmup Cement Coated Insulation

Waterproof Insulation For Walls & Floors

CE UK CA

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.

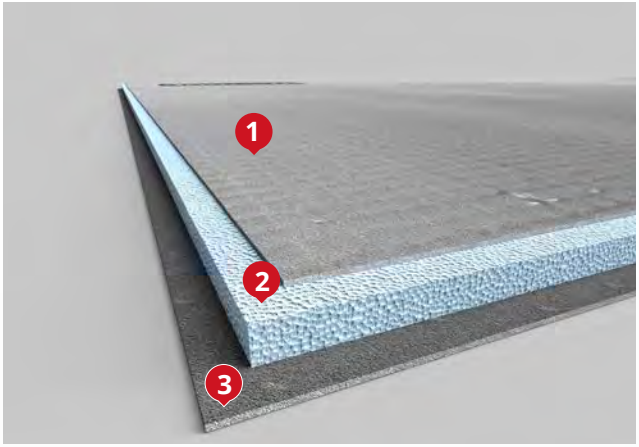
✓ A Range of Thicknesses

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	1 mm 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/ 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/ 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/ 0.50/ 0.78/ 1.06/1.33m² K/W	Fire Rating - Euroclass	E
Thermal Conductivity EN 12667	0.036 W/mK	Zone Depletion Potential - ODP	0

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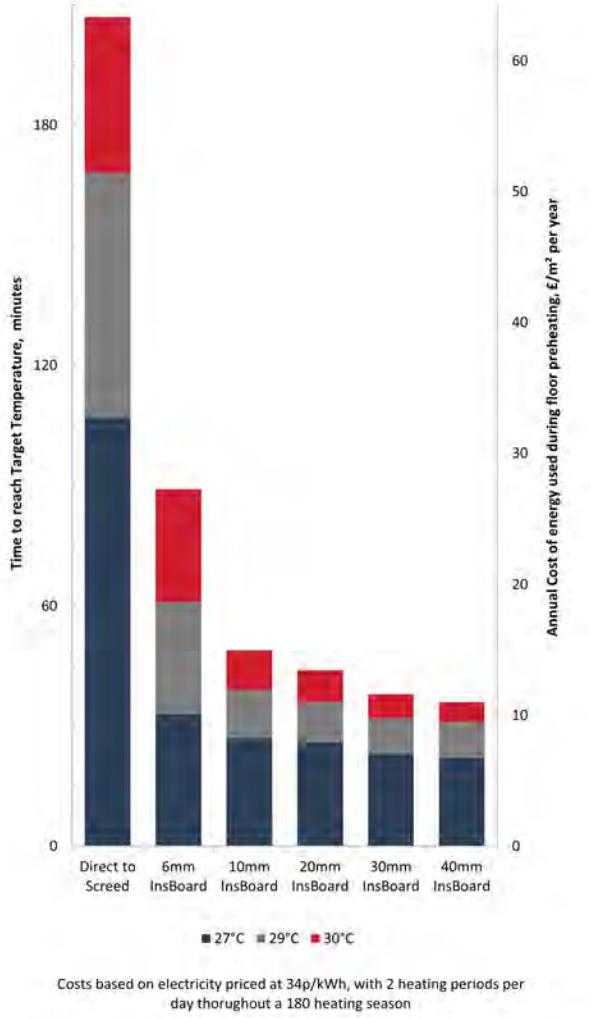
Insulation Board Effect On Preheating Times

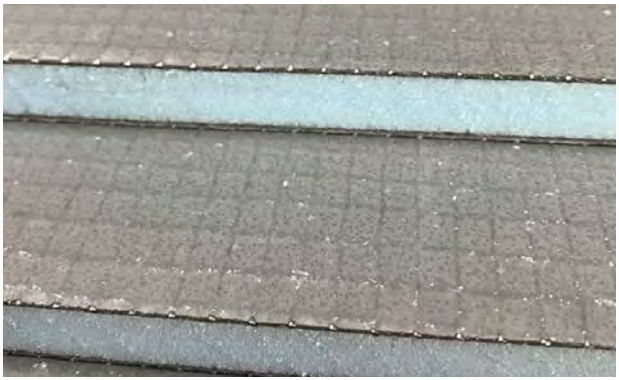
Warmup has conducted extensive testing of its electric underfloor heating systems when used in combination with its range of Cement Coated Insulation Boards.

The tests consisted of a 75 mm screed subfloor, heated with a 150W/m² 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.



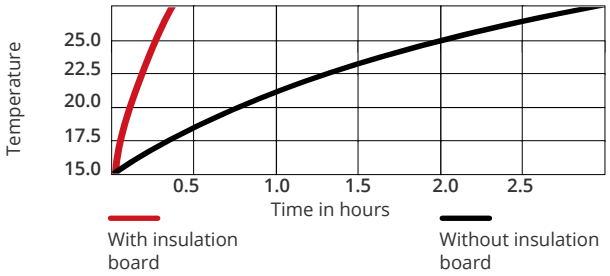
Costs based on electricity priced at 34p/kWh, with 2 heating periods per day thorughout a 180 heating season



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

Heat-Up Chart



In testing, heat-up time was cut from over 2 and a half hours to just 20 minutes.

This data applies to Warmup heating products only.

Source: Warmup tests performed to EN442-2 standards

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^2K/W and the 20mm Warmup Insulation Boards have an R value of 0.50 m^2K/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 61 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.

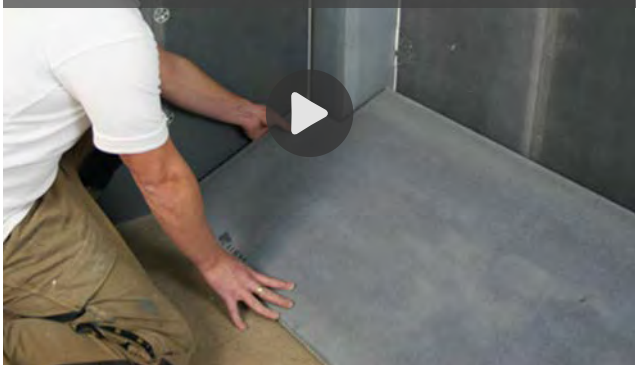
Installation onto wooden floors (Contact us on 0345 345 2288 to receive a copy of our technical guide for wood flooring or visit www.warmup.co.uk).

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.

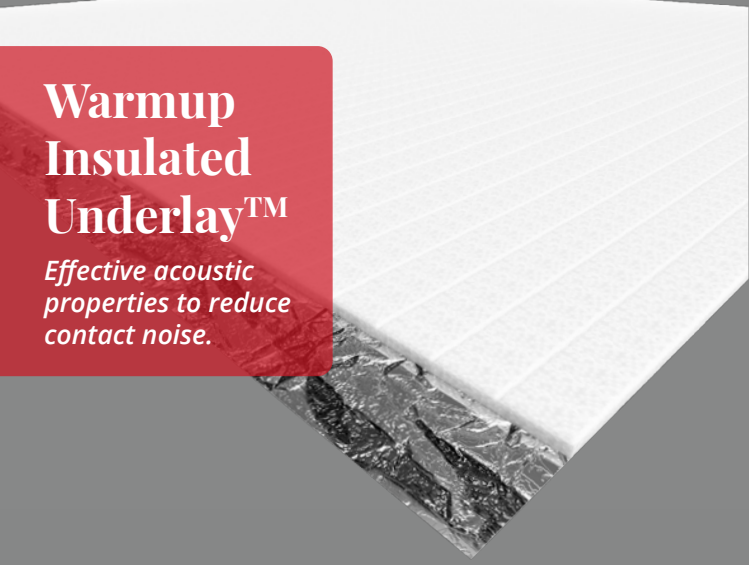
Installation of Warmup Cement Coated Insulation Board. Always refer to the installation manual prior to commencing your project.

Scan to find out more!



Warmup Insulated Underlay™

Effective acoustic properties to reduce contact noise.



Overview

Warmup Insulated Underlay™ is a 6 mm ribbed EPS foam insulation with melallicised polyethelene 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.

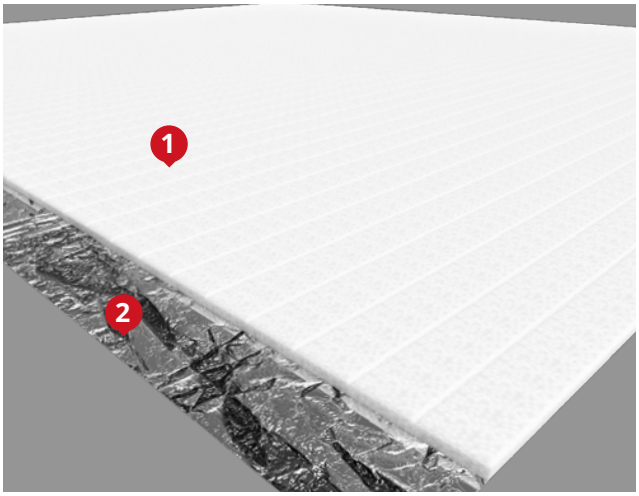
✓ Variety Of Floor Finishes

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	Melallicised polyethelene foil backing

Technical Specification

Warmup Insulated Underlay™			
Product Code	WIU (Warmup Insulated Underlay)	Water Vapour Diffusion Resistance (SD)	> 100
Size	Width - 1200 mm Coverage/Pack - 2.5 m², 5.0 m², 10 m², 25 m²	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 Bottom Layer: (silver) polyethelene 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*

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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

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.

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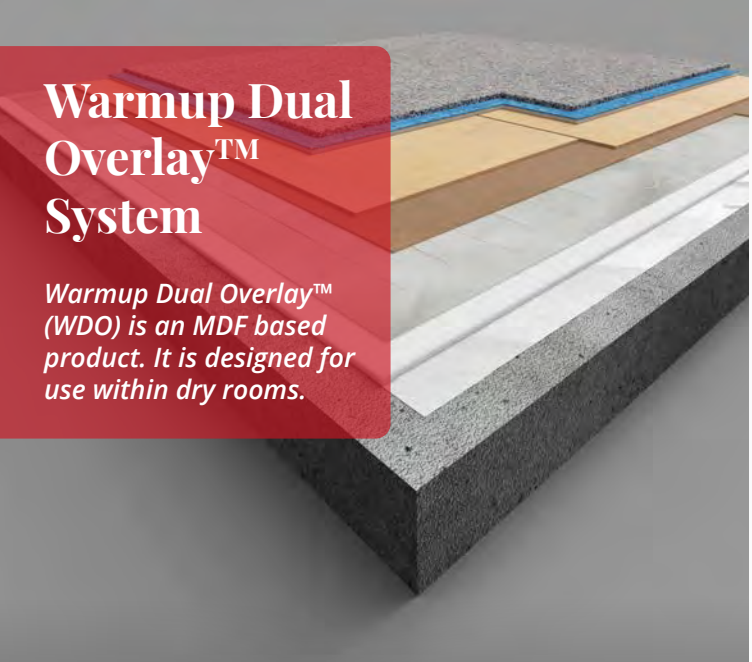
Warmup Dual Overlay™ System

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.

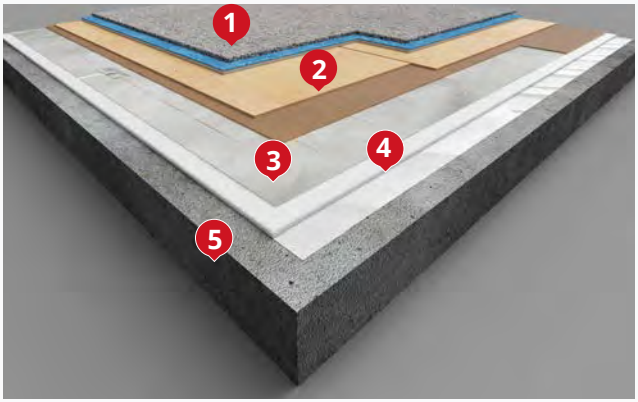
✓ Low Floor Finish

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

**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

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Warmup Dual Overlay™ System Price Guide

Area Covered	Insulated Underlay System Code	Price (Excl. 20% VAT)
2.88m²	WDO - Dual Overlay™ System (covers 2.88m²)	£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 2.88m² 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!

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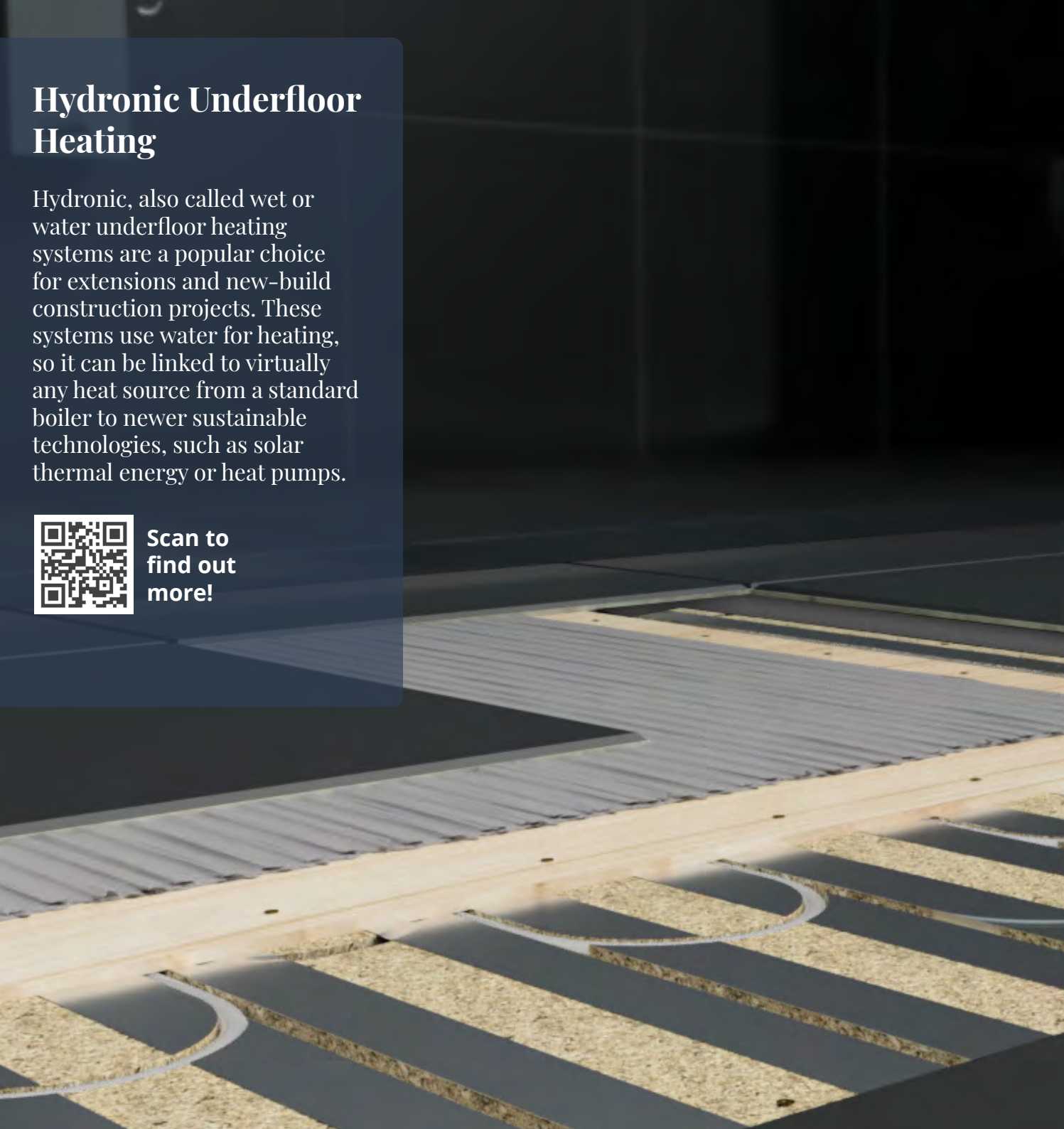
Hydronic Underfloor Heating

Hydronic, also called wet or water 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.**

LIFETIME LIMITED WARRANTY Warmup

Warmup PE-RT Underfloor heating pipe – Lifetime Warranty

SAFETY Net™ 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.

Scan to find out more!

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.

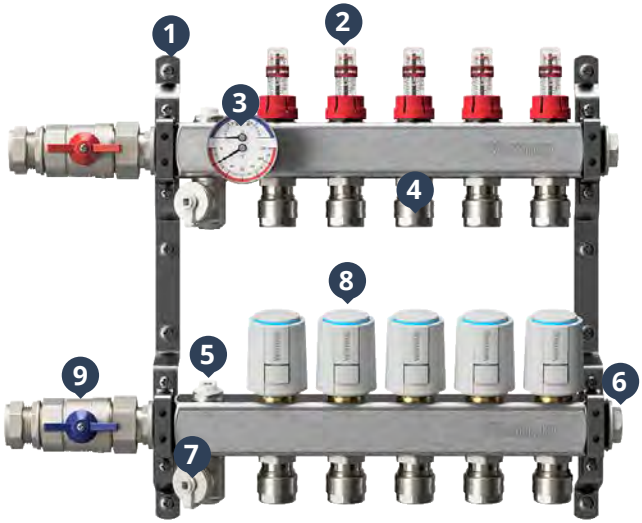
✓ Taconova TopMeter Flow Gauges

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.

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

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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 that 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 Temparature	+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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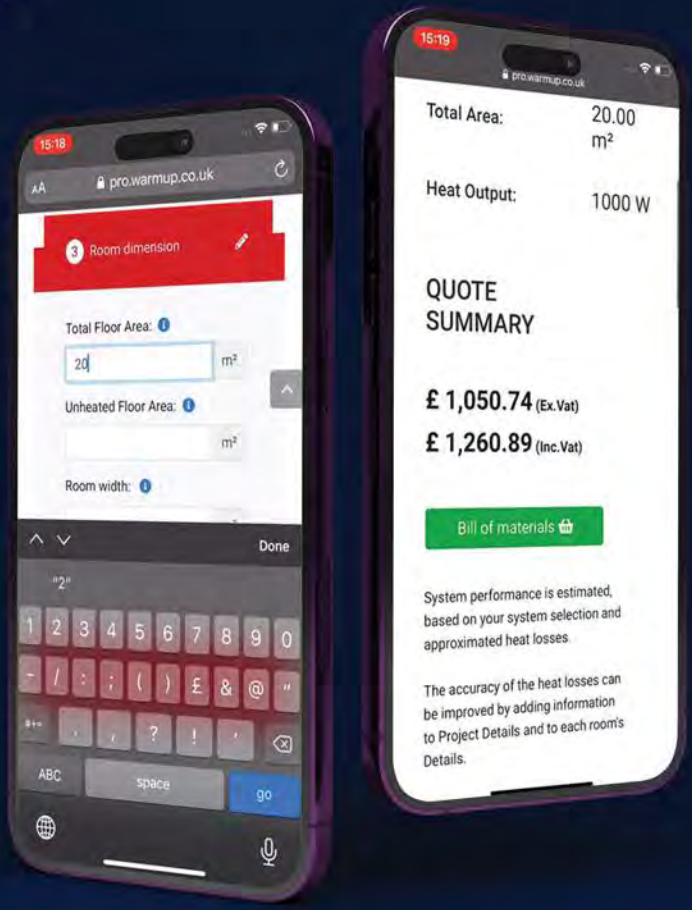


INSTANT, ACCURATE, FLEXIBLE

GET YOUR QUOTE TODAY

VLo Ultra-12
Low Build System

NEW PRODUCT

LIFETIME* LIMITED WARRANTY Warmup

SAFETY Net™ 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 usabilty 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 efficency in mind.

✓ Robust and Efficient Panels

The 18 mm 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.

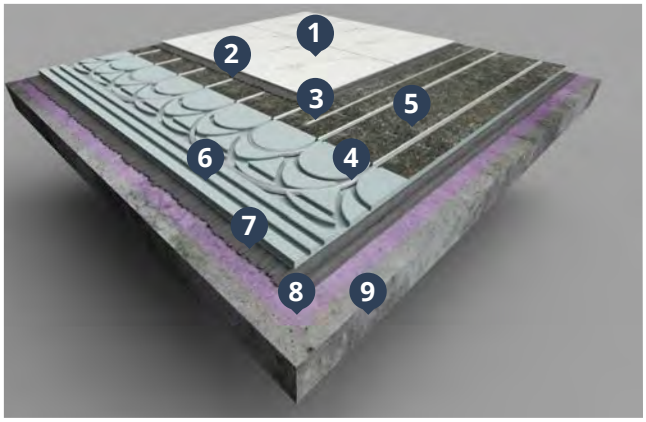
✓ High System Performance

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

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

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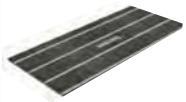
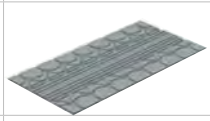
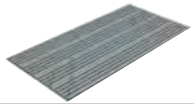
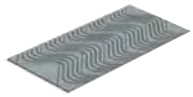
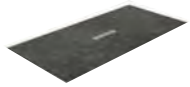
System Components		
Straight Panel	Used to provide heating	
Curve Panel	Used at the end of main panels to turn around the pipework	
Straight Service Panel	Used to feed the pipework back to manifold	
Curve Service Panel	Used to feed the pipework around corners and obstacles	
Plain Panel	Used for areas 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.

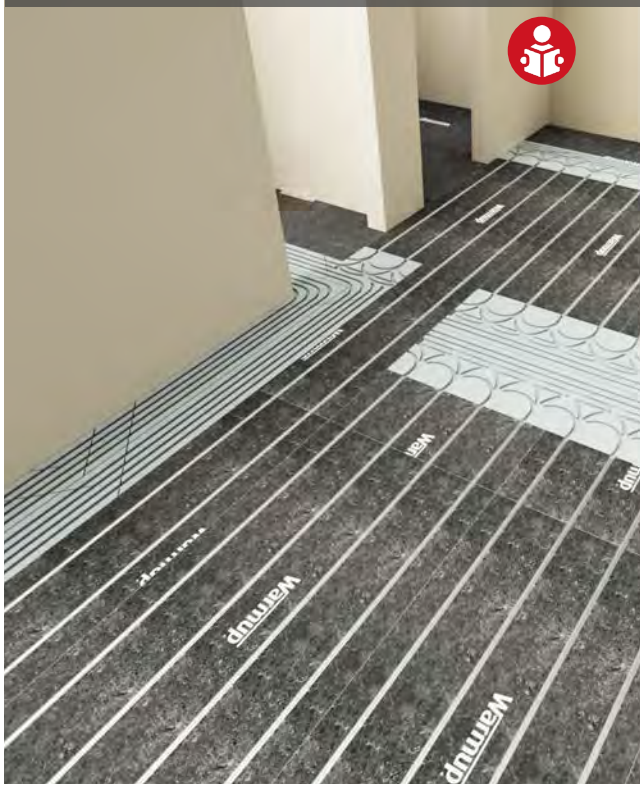
What type of warranty comes with the Ultra-12 System?

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.

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

Scan to find out more!



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VLo Econna-12
Joisted Floor System

NEW PRODUCT

LIFETIME* LIMITED WARRANTY Warmup

SAFETY Net™ Installation-Guarantee

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	**Floor finish**
2	**6 mm Minimum Plywood Deck** *This layer must be glued and screwed to complete the structural decK.*
3	**Warmup 12 mm PE-RT Pipe**
4	**Floor sensor** *Tab tape the sensor to the membrane. Do not tape over the sensor tip!*
5	**Econna Panels** *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.*
6	**Joists ≤ 600 mm Centres** *Refer to tiling standards for maximum joist centres for floors to receive tiles.*
7	**Insulation Layer** *Thickness in line with building regulations*
8	**Flow and Return Pipes**

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

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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.

VLo Nexxa-12
Castellated System

NEW PRODUCT

LIFETIME* LIMITED WARRANTY Warmup

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 12 mm 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 a environmentally friendly and recycled polystyrene that can be installed easily and around existing objects.

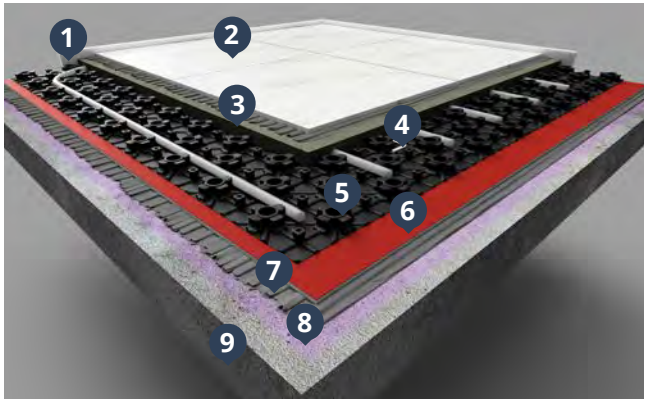
✓ Excellent Thermal Properties

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	**Warmup Perimeter Strip**
2	**Floor Finish**
3	**22 mm Levelling Compound** *The 22 mm 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.*
4	**Floor Sensor** *Tab tape the sensor to the membrane. Do not tape over the sensor tip!*
5	**Nexxa-12™ Membrane**
6	**Warmup Ultralight™ (Optional)** *Adding Warmup Ultralight™ below the membrane 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	**Subfloor Surface Regularity of SR2***

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 m^2	**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 Diagonal: 43 mm / 70mm		

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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^2 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.

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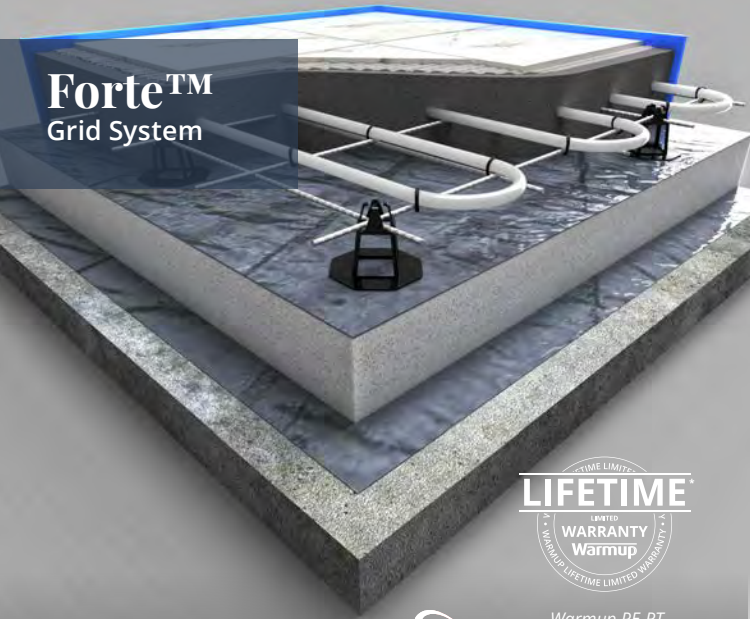
Forte™
Grid System



LIFETIME LIMITED WARRANTY Warmup

SAFETY Net™ 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.

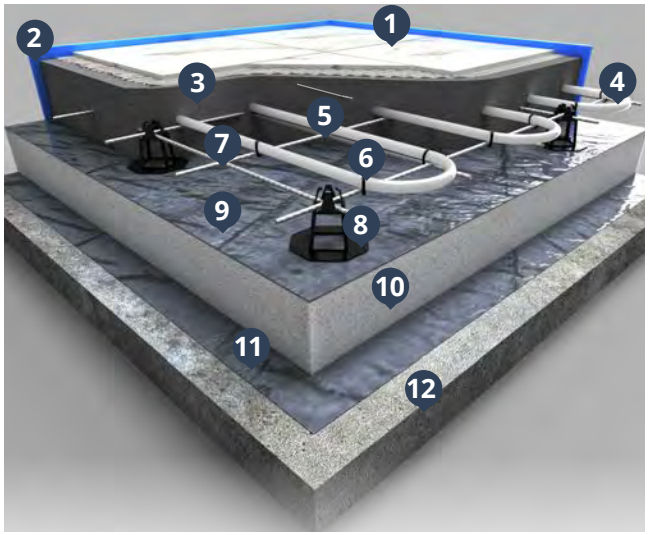
✓ For New-Build Projects

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

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.

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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?

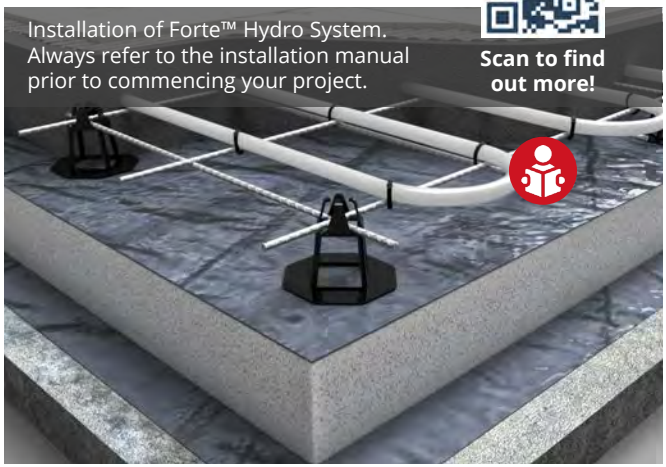
The Warmup SafetyNet™ Installation Guarantee is a guarantee offered by Warmup to replace any underfloor heating pipe that is accidentally damaged during installation with the same size and type of pipe for free.

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.



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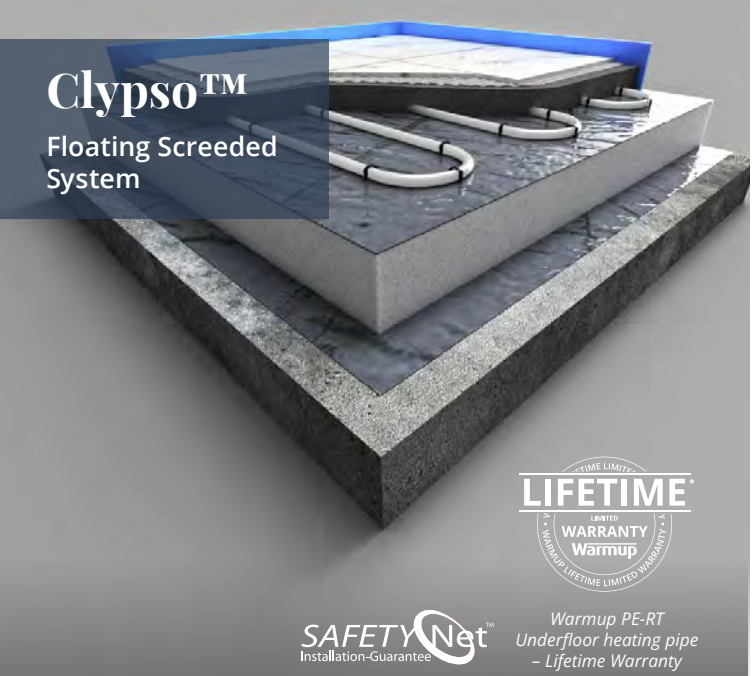
Clypso™

Floating Screeded System



LIFETIME LIMITED WARRANTY Warmup

SAFETY Net™ 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 - 75 mm sand and cement screed or proprietary screeds down to 35 mm thick.

The system comprises of 16 mm PE-RT pipe that is held in place by Warmup clips secured to the insulation layer below. A gridded 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.

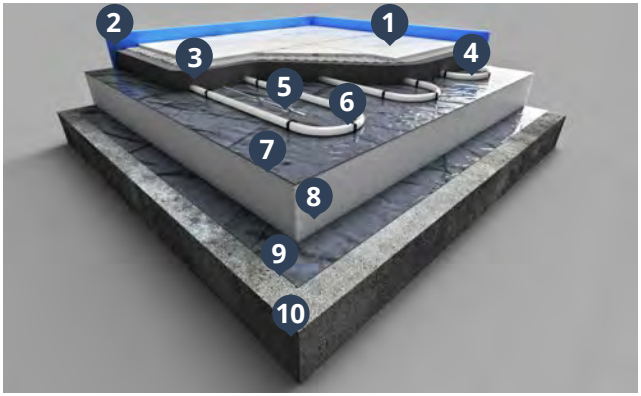
✓ Ideal For New Builds

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	**Floor Finish**
2	**Perimeter Strip** *To allow for differential movement between finished floor level and walls*
3	**Screed Layer**
4	**Warmup PE-RT Pipe**
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 (DPM)** *To prevent water ingress*
10	**Concrete subfloor**

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.

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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?

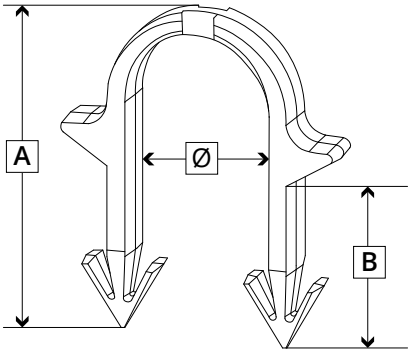
Warmup has a woven polypropylene membrane which can be used in place of a standard Vapor Control Layer. It is white with grid printed on the surface. The grid has 100mm major and 50mm minor intervals on it that allow the installation to be done quickly and precisely without the need to take regular measurements.

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

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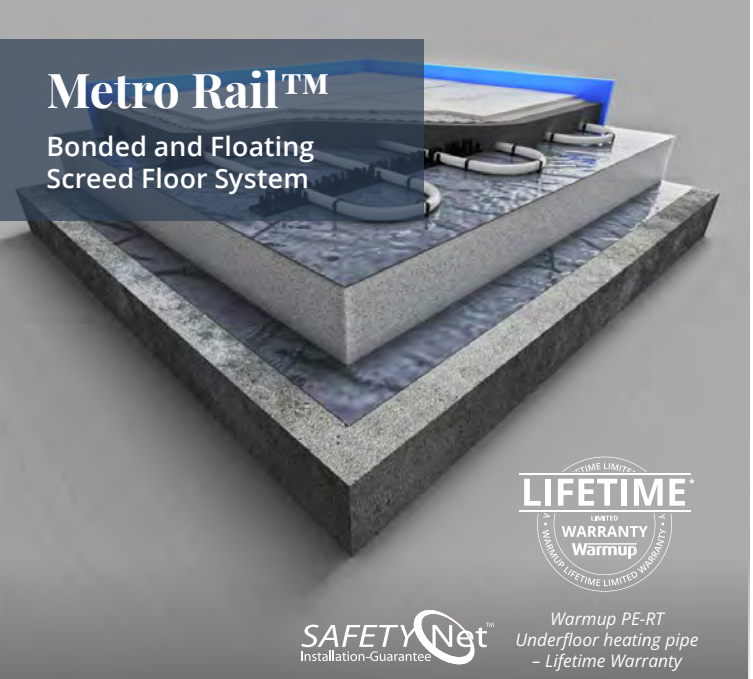
Metro Rail™

Bonded and Floating Screed Floor System



LIFETIME* LIMITED WARRANTY Warmup

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 Clypso™ 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.

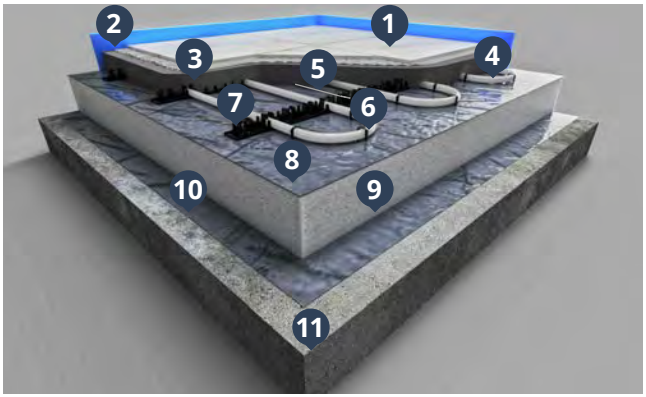
✓ Perfect for Screed and Concrete Subfloors

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

✓ Specially Designed Rails to Hold the Pipe

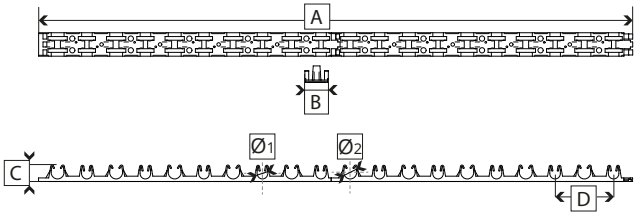
The Metro™ rail utilises a track that fixes to the insulation, holding the 16 mm PE-RT pipe at the correct level prior to screeding to ensure there are no hot spots.

Typical Floor Build-Up



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

Technical Specification



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

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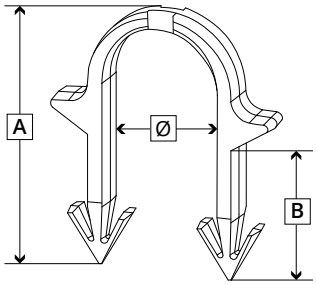


Warmup Clips				
Code	Composition	A (mm)	B (mm)	Max. Ø (mm)
WHS-CL-T40	Polypropylene clips	40	20	20
WHS-CL-T60		57	37	20

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?

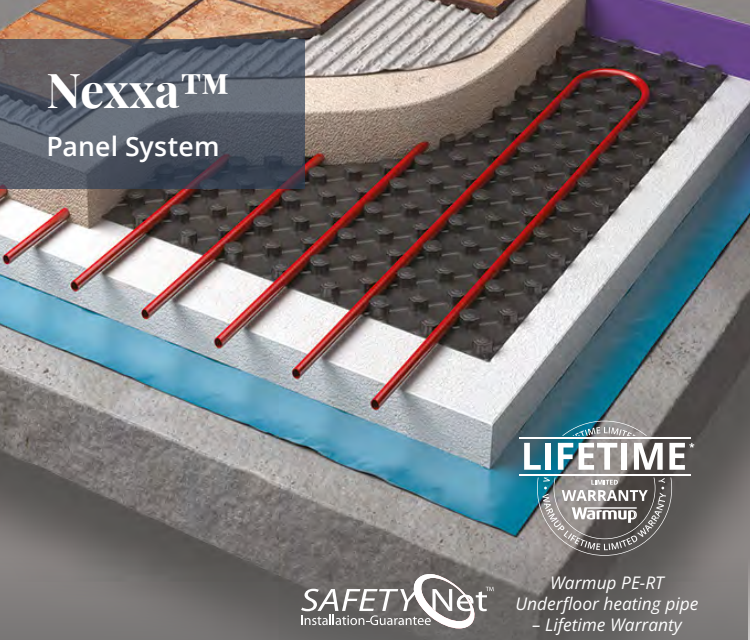
Yes, Warmup offers a SafetyNet™ Installation Guarantee, which covers accidental damage to the heating pipe during installation. If you accidentally damage the underfloor heating pipe during installation, return it to Warmup and they will replace it with the same size and make of pipe for free.

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

Scan to find out more!

Nexxa™

Panel System



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.

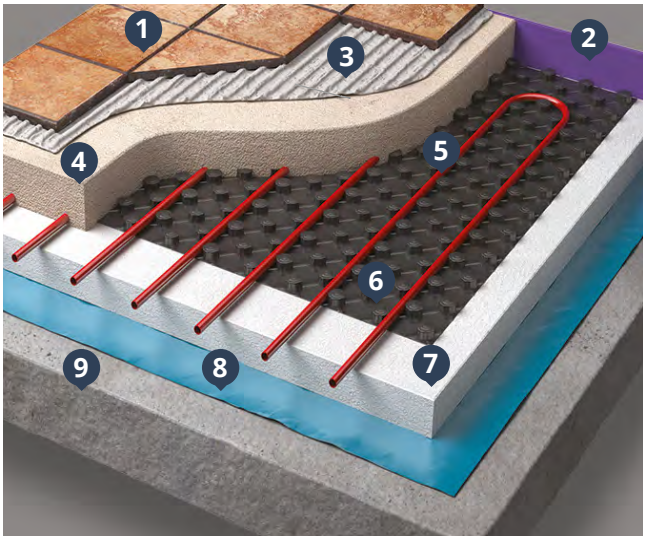
✓ Best with Thin Screeds

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

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		

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

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?

Instarmac 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?

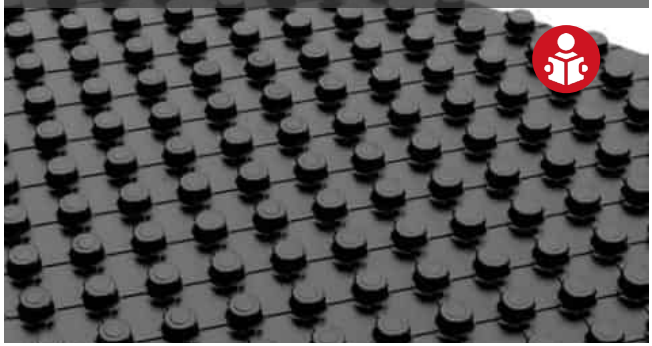
Yes, the Nexxa Panel System is suitable for almost any floor finish and is particularly useful where the flooring may be replaced from time to time. This includes wood, carpet or vinyl flooring.

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!



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Contura™
Floating Floor System

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.

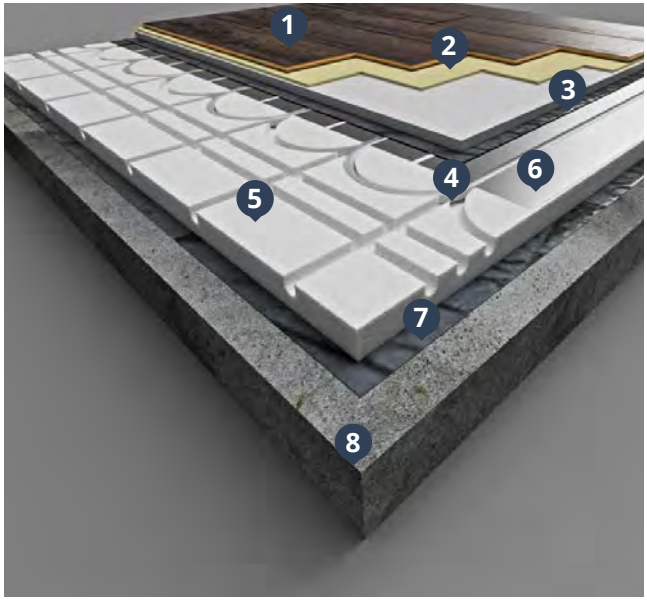
✓ Fast Heat-up Response

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

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		

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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/m², 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.

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Tectora™
Joisted Floor System

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.

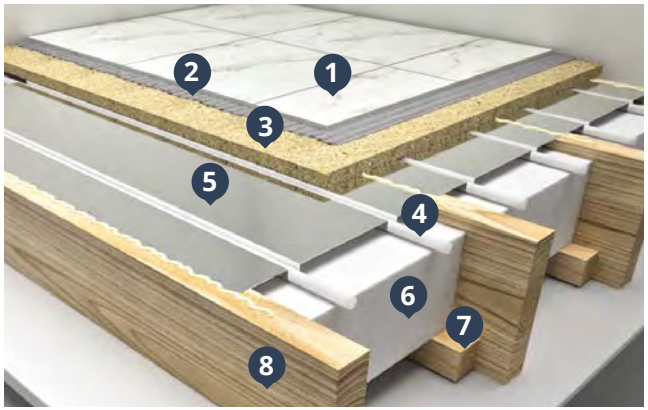
✓ Fast Heat-Up Response

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	**6 mm Minimum Plywood Deck** *This layer must be glued and screwed to complete the structural deck*
4	**Warmup 12 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 (Twin groove plate)	390 x 1000mm	0.5mm	16mm pipe

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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.

HiDECK Overlay 18

NHBC LABC warranty Premier Guarantee Accepted

SRL Performance Tested

BM TRADA ISO 9001: 2015

RD Generic Treatment

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

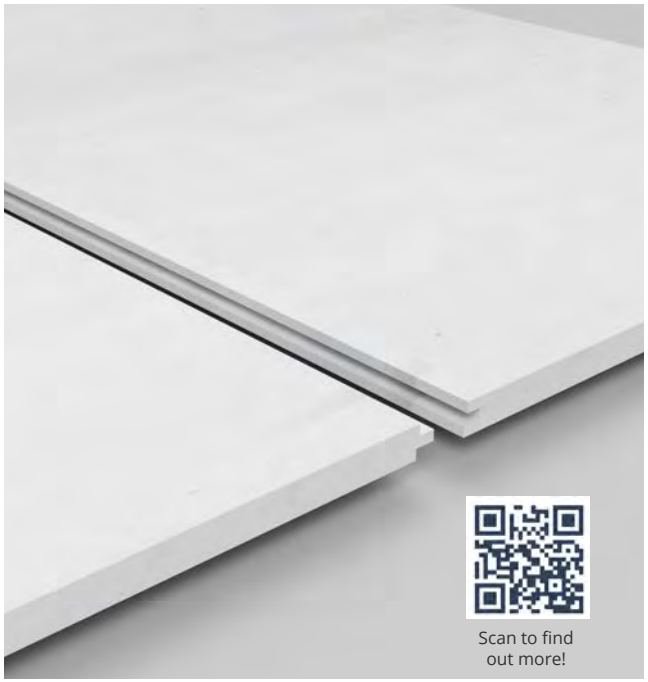
Screed replacement system Where applicable, can be used in place of traditional liquid screed or levelling compounds for a faster install.

✓ 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.



Scan to find out more!

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 ODP = 0
Thickness	18mm	**Fire Class**	A1
Type & Composition	T&G high density gypsum	**Weight**	21.6 kg/m² 15.55 kg/board

Made from 100% Recycled Gypsum

HiDECK™ Overlay 18 Price Guide

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

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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!

StickyMat 3D™

A Warmup bathroom is an oasis of calm in your busy life where your wellbeing takes precedence.

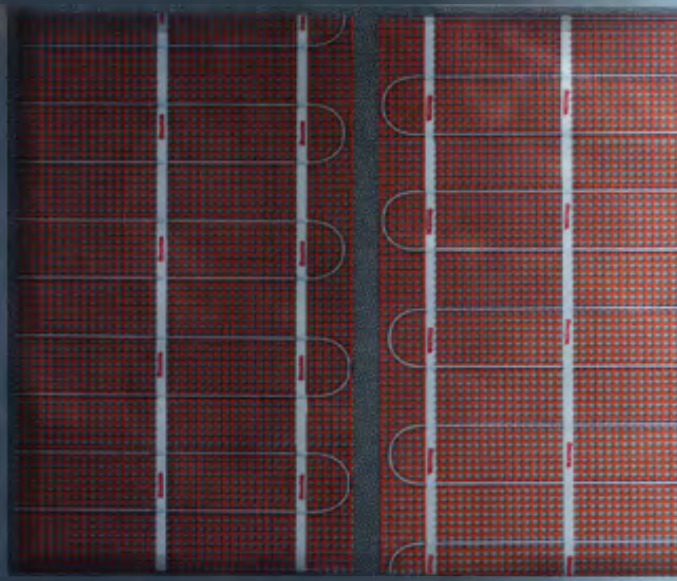
Experience the pleasure of gently heated floors and walls on a cold winter's morning.

Transform your bathroom in 6 easy steps.

Underfloor Heating
Install a Warmup Floor Heater for energy-efficient, radiant warmth

Wall Heating
Add a touch of luxury with Wall Heating solutions from Warmup

Heated Towel Rail
Choose the perfect Warmup Heated Towel Rail for your Bathroom



Mirror Demister
Warmup Mirror Demisters are easy to use and quick to install

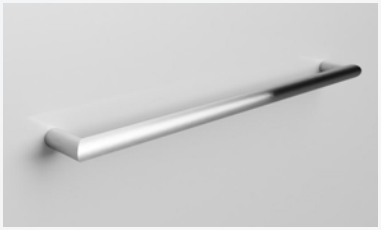
Floor Insulation
Heat up times in as little as 30 minutes. Reduces running costs and can pay for itself in 3.5 years

Wall Insulation
No more cold walls. Wall insulation boards reduce heat loss and lost energy from the room by over 20%

Scan to find out more!

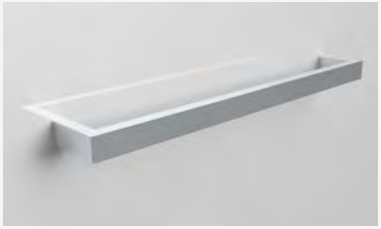
Warmup Single-Bar Towel Rails

Tulsi Round Single Bar – Polished



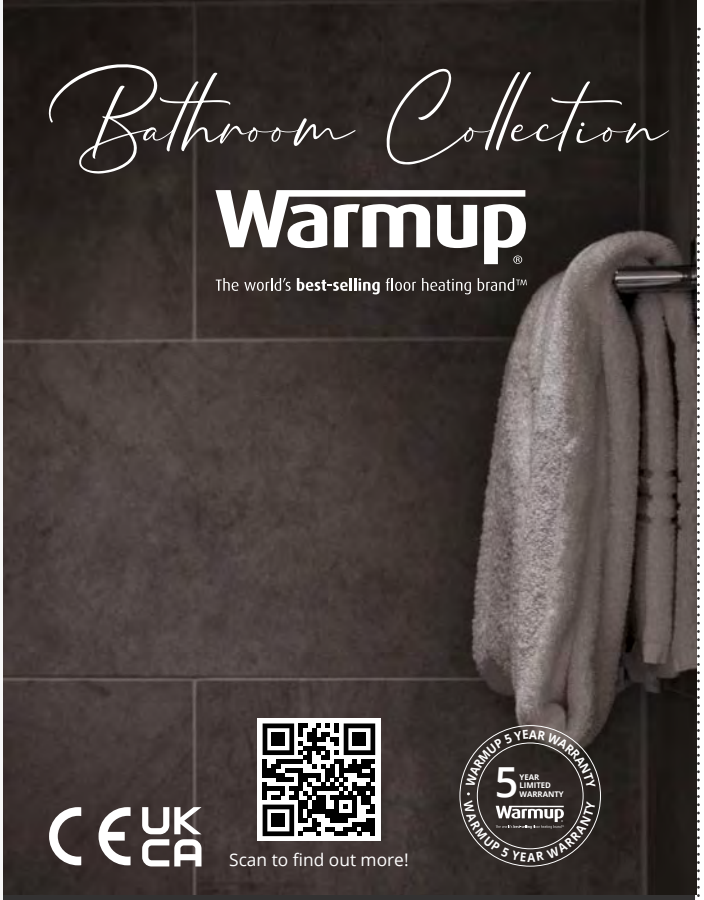
Tulsi Round Single Bar – Brushed

Burdock Square Single Bar – Polished



Burdock Square Single Bar – Brushed

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



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

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Warmup Multi-Bar Ladder Towel Rails

Scan to find out more!

Anise 4 Bar
Ladder Straight
Round Towel
Rail Polished

Anise 6 Bar
Ladder Straight
Square Towel
Rail Polished

Anise 8 Bar
Ladder Straight
Square Towel
Rail Polished

Hawthorn 4 Bar
Ladder Straight
Square Towel
Rail Polished

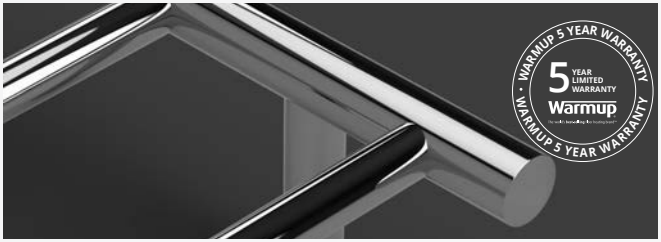
Hawthorn 6 Bar
Ladder Straight
Square Towel
Rail Polished

Hawthorn 8 Bar
Ladder Straight
Square Towel
Rail Polished

Warmup Multi-Bar Ladder Towel Rails

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

CE UKCA



Price Guide Multi-Bar Heated Towel Rails

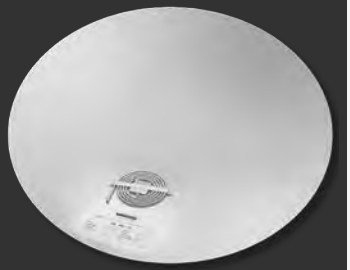
Product code	Name	Product & Finish	Dimensions H x W	Price (Excl.20% VAT)
HTR-4ROPO	Anise	4 Bar Ladder Straight Round Towel Rail Polished	520 x 500mm	£189.38
HTR-4SQPO	Hawthorn	4 Bar Ladder Straight Square Towel Rail Polished	435 x 525mm	£211.65
HTR-6ROPO	Anise	6 Bar Ladder Straight Round Towel Rail Polished	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

260 x360mm | 360 x 560mm | 560 x 720mm

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.



560mm

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

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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.

BEAB Approved Intertek | CE UK CA | SAFETY Net Installation-Guarantee | LIFETIME WARRANTY Warmup

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.

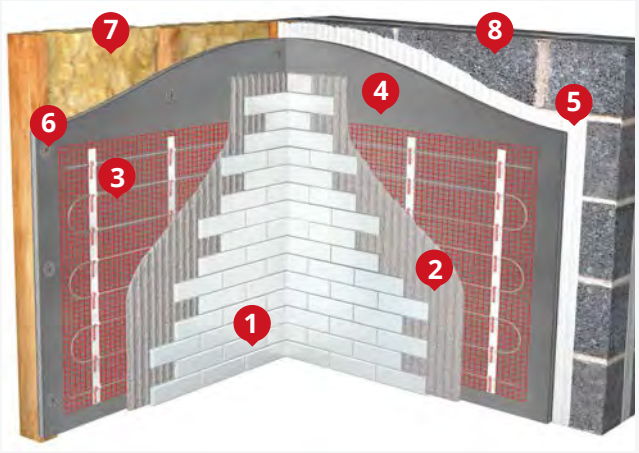
✓ 3mm Thickness

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		

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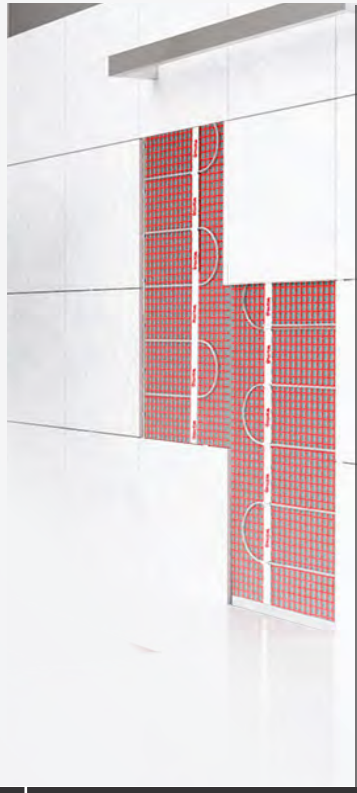
Price Guide

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



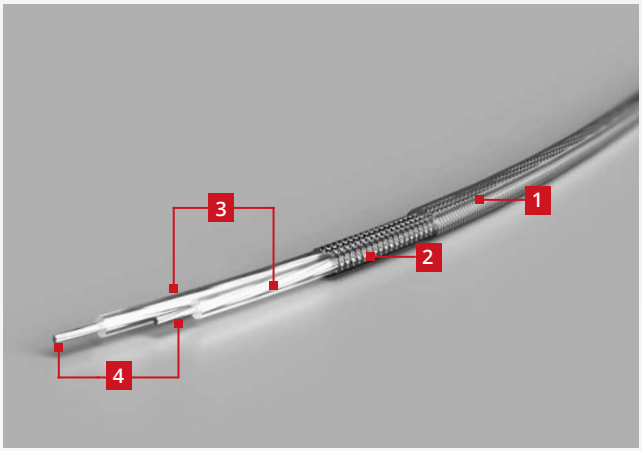
Hidden Heating
Maintenance free hidden heating solution with quicker drying tiles and better air quality.

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

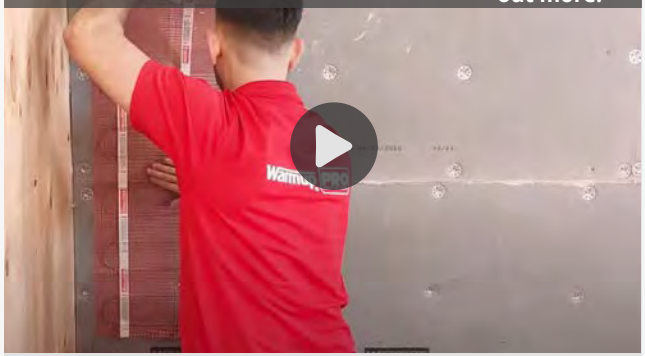
(Refer to installation manual for complete instructions)

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!



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

WiFi Smart Thermostats

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.

6iE™ WiFi
Smart Thermostat

Element™ WiFi
Smart Thermostat

Konekt™ Wireless Thermostat
with Humidity Sensor

Our goal is to improve home-life.

With Warmup Smart, managing your heating system has never been so easy. Our smart products save you energy and money, on average £400 per year for a typical UK home.

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

Tempo™ Programmable
Thermostat

AutoSwitch™
By Warmup

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

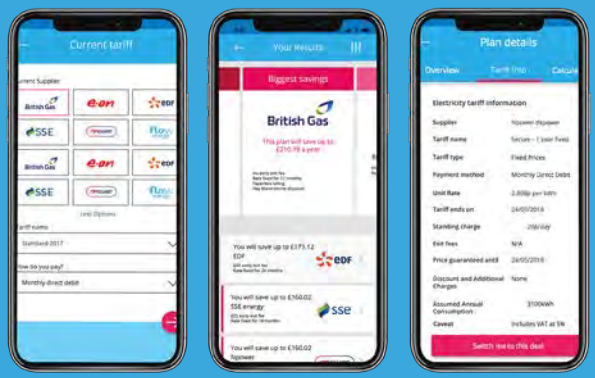
Dinner plans with friends cause you to break your daily routine. **SmartGeo™** notices an unexpected empty house and decreases the temperature to save more energy until you return.

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



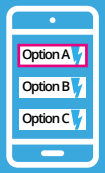
Stay on the best energy tariff for your home, every year, completely hassle free.

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



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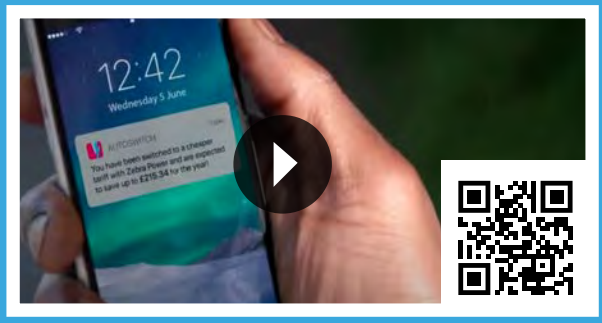

Choose Warmup Smart Thermostats for automatic, energy-efficient heating

6iE™ WiFi Thermostat

The smartest, most efficient way to control the world's best selling floor heating

World's first UFH controller with a Smartphone touchscreen.

Scan to find out more!

Warmup 6iE™ WiFi Smart Thermostat

The 6iE™ from Warmup is the world's first UFH thermostat with a smartphone touchscreen providing effortless control at your fingertips. Available in Onyx Black and Bright Porcelain with an ultra-thin (16 mm from the wall) design, it will look great in classic or contemporary homes. Personalise the 6iE™ with photo backgrounds, the only underfloor heating thermostat with this ability.

Set up is done in a matter of seconds, simply scan the QR code which will appear on the 6iE™ using the MyHeating™ app and it will automatically connect to your WiFi network.

6iE™ Onyx Black WiFi Smart Thermostat

6iE™ Bright Porcelain WiFi Smart Thermostat

Available on the App Store | GET IT ON Google Play | amazon alexa

✓ 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 Up To £400

Using less energy and switching to a cheaper tariff with Warmup AutoSwitch™.

CE UKCA BEAB

12 YEAR LIMITED WARRANTY Warmup

Features & Benefits

1	Premium ultra-thin design (16 mm from the wall) with the world's first smartphone touchscreen providing effortless control at your fingertips.
2	Personalise the 6iE™ with photo backgrounds, the only underfloor heating thermostat with this ability.
3	Easy to setup. Simply scan the QR code which will appear on the 6iE using the MyHeating app and it will automatically connect to your WiFi network.
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 6iE™ WiFi Smart Thermostat

Product Code	Description	Price (Excl. 20% VAT)
6iE WiFi OB	Onyx Black Smart WiFi Thermostat	£155.44
6iE WiFi BP	Bright Porcelain Smart WiFi Thermostat	£155.44

Technical Specification

Warmup 6iE 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
Sensor Type	NTC 10K 3m Long (can be extended to 50m)	Er-P Class	IV
Dimensions	H/W/D): 90mm x 115mm x 39mm	Approvals	BEAB

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Element™ 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

Available on the App Store | GET IT ON Google Play | amazon alexa

✓ 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™.

CE UKCA BEAB

12 YEAR LIMITED WARRANTY Warmup

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)	£114.36
ELM-01-WH-RG	Warmup Element WiFi Light Thermostat (Band Colour: Rose Gold)	£114.36

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"		

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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

Tempo™ PW 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.

CE UKCA BEAB

WARMUP 3 YEAR WARRANTY · 3 YEAR LIMITED WARRANTY · Warmup · WARMUP 3 YEAR WARRANTY ·

**Upgrade for just £24.99 inc. VAT at www.warmup.co.uk*

Also available

MSTAT Manual Thermostat

Fused Spur with integral 30mA RCD

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 (Excl. 20% VAT)
Tempo - Piano Black Programmable Thermostat	£104.99
Tempo - Porcelain White Programmable Thermostat	£104.99

Manual Thermostat	Price (Excl. 20% VAT)
MSTAT - White Manual Thermostat	£74.97

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

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konekt
WIRELESS

BY Warmup

The only integrated wireless smart control system for underfloor heating, radiators and security in one app.

Scan to find out more!

WARMUP 3 YEAR WARRANTY
3 YEAR LIMITED WARRANTY
Warmup

CE UK CA

konekt™ Wireless Thermostat With Humidity Sensor

The Wall Thermostat is part of the Warmup konekt wireless smart home system. Wall thermostats can be easily paired with konekt eTRV's for temperature control of your radiators or with the konekt Wiring Centre for control of your hydronic underfloor heating system.

Price Guide

Product Code	Description	RRP (ex VAT)
UK-WUK-CO-KW-STATH	Warmup konekt Wireless Thermostat with Humidity Sensor	£79.26

✓ Intelligent Control

3 adjustable heating profiles with upto 13 changes per day, controlled using konekt App or through Alexa / Google Assistant. Transmits temperature and humidity data to the eTRV's in room or hUFH wiring centre ensuring accurate.

✓ Easy & Flexible Installation

Battery operated so can be wall mounted anywhere using self-adhesive strips or supplied screws. Alternatively can be installed into existing 55 mm switch frames or flush mounted box.

✓ Automatic Control

Control your konekt wireless systems from wherever you are. The konekt wireless App allows you to control your heating from your smartphone.

Technical Specifications

Konekt Wireless Thermostat Humidity Sensor			
Product Code	KW-STATH	Radio Frequency Band	868.3 MHz / 869.525 MHz
Supply Voltage	2x 1.5 V LR03/ micro/AAA	Maximum Radiated Power	10 dBm max.
Current Consumption	50 mA max.	Receiver Category	SRD category 2
Battery Life	2 years (typ.)	Typ. Open Area RF Range	250 m
IP Rating	IP20	Duty Cycle	< 1 % per h/< 10 % per h
Ambient Temperature	0 to 35 °C	Software Class	Class A
Dimensions (W x H x D)	55 x 55 x 23.5 mm / 86 x 86 x 25 mm (incl. frame)	Method of Operation	Type 1
Weight	100 g (incl. batteries)	Degree of Pollution	2

konekt™ Wireless eTRV

The eTRV is part of the Warmup konekt Wireless System which can be paired and set-up through the konekt Wireless Smart Hub. The eTRV offers modulating time and temperature control of rooms heated with radiators. The Konekt Wireless eTRV uses Smart technology to provide automatic heat control for radiators. It can help reduce typical energy usage by up to 30%.

Price Guide

Product Code	Description	RRP (ex VAT)
UK-WUK-CO-KW-UKETRV	Warmup konekt Wireless eTRV (UK)	£52.47

✓ Easy & Intuitive Set-up

Simply attach to your radiator valve and connect to the konekt wireless smart hub by downloading the App.

✓ Quick & Easy Installation

The eTRV can fit to all common radiator valves without drainage or intervening with the heating system.

✓ Open-Window Detection

Working with the konekt wireless thermostat, the eTRV detects ventilation and room temperature and reduces the room temperature accordingly.

Technical Specifications

Konekt Wireless eTRV			
Product Code	KW-UKETRV	Dimensions (W x H x D)	56 x 115 x 67 mm
Current Consumption	100 mA max.	Weight	180 g (incl. batteries)
Supply Voltage	2x 1.5 V LR6/ mignon/AA	Radio Frequency Band	868.0-868.6 MHz, 869.4-869.65 MHz
Battery Life	2 years (typ.)	Maximum Radiated Power	10 dBm
Degree of Pollution	2	Receiver Category	SRD category 2
Method of Operation	Type 1	Type Open Area RF Range	250 m
Software Class	Class A	Duty Cycle	< 1 % per h/< 10 % per h
IP Rating	IP20	Valve Connection	M30 x 1.5 mm
Ambient Temperature	0 to 50 °C	Warranty	3 Years

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konekt™ Wireless Smart Hub

The Smart Hub is the central element of you konekt Wireless smart home. Simply plug in the Smart Hub, connect to your router and begin pairing using the konekt wireless App. The Smart Hub acts as the main interface between the server and other konekt wireless devices in your home.

Price Guide

Product Code	Description	RRP (ex VAT)
UK-WUK-CO-KW-UKHUB	Warmup konekt Wireless Smart Hub (UK)	£79.26

✓ Voice Control

A number of konekt wireless devices are compatible with Alexa and Google Assistant allowing you to control your heating with voice commands.

✓ Data Security You Can Trust

AES 128 encryption between devices, app and cloud.
No personal data required.
Reliable radio protocol based on 868/869.525 MHz.

✓ Automatic Control

Control your konekt wireless systems from wherever you are. The konekt wireless App allows you to control your heating from your smartphone.

Technical Specifications

Konekt Wireless Smart Hub			
Code	KW-UKHUB	Dimensions (W x H x D)	118 x 104 x 26 mm
Operating voltage	100 - 240 V AC / 50 Hz	Weight	153 g
Supply Voltage	5 VDC	Radio Frequency Band	868.0-868.6 MHz, 869.4-869.65 MHz
Current Consumption	500 mA max.	Maximum Radiated Power	10 dBm max.
Power Consumption, Plug-in Mains Adapter	2.5 W max.	Receiver Category	SRD category 2
Standby Power Consumption	1.1 W	Type Open Area RF Range	400 m
Protection class	Class III	Duty Cycle	< 1 % per h/ < 10 % per h
IP Rating	IP20	Network	10/100 MBit/s, Auto-MDIX
Ambient Temperature	5 to 35 °C	Warranty	3 Years

konekt™ Wireless Boiler 2-Channel Switch

The 2-channel Boiler Switch is part of the Warmup konekt wireless smart home system. The boiler switch can be used as a heat demand relay for controlling heating pumps in connection with konekt eTRV's for temperature control of your radiators.

Price Guide

Product Code	Description	RRP (ex VAT)
UK-WUK-CO-KW-BLR2CH	Warmup konekt Wireless Boiler 2-Channel Switch	£110.27

✓ Intelligent Control

Provides system wide demand control for 2 systems connected to a heating or cooling source. Each output can signal demand for domestic hot water, heating, cooling or dehumidification as part of a konekt system.

✓ Quick & Easy Installation

The Boiler Switch can be easily mounted to the wall using the screws provided.

✓ Automatic Control

Control your konekt wireless systems from wherever you are.

Technical Specifications

Konekt Wireless Boiler 2-Channel Switch			
Code	KW-BLR2CH	Radio frequency band	868.0 MHz - 868.6 MHz 869.4 MHz - 869.65 MHz
Supply Voltage	230 V / 50 Hz	Maximum radiated power	10 dBm max.
Current Consumption	16 A max.	Receiver category	SRD category 2
Standby Power Consumption	< 0.2 W	Typ. open area RF range	250 m
Relay Changeover Contact: NO Contact: Load Type	1 - pole, μ contact 1 - pole, μ contact ohmic load	Max. switching Capacity Switching Channel 1: Switching Channel 2: Duty cycle	3680 W 1150W < 1 % per h/ < 10 % per h
Ambient temperature	0 to 50 °C	IP Rating	IP20
Dimensions (W x H x D)	120 x 130 x 30 mm	Method of operation	Type 1
Weight	165 g	Warranty	3 years

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konekt™ Wireless 10-Channel Wiring Centre 230V

The Wiring Centre provides UFH circulator and actuator control based on heating and cooling requirements of individual rooms. It can control up to 10 heating zones/15 actuators or 9 heating zones/14 actuators if also operating a UFH circulator.

Configure the wiring centre via the konekt wireless app or directly via the konekt wireless wall thermostat.

By using the most advanced control algorithms you can ensure constant and efficient utilisation of all kinds of water based floor heating systems and control your central heating by using the wiring centre to automatically provide heated water when and wherever required.

Thanks to the wireless radio control, the wiring centre requires minimal cabling and can be easy installed using the screws provided or mounted onto the DIN rail.

✓ Quick & Easy Installation

Easy to install via the supplied screws or DIN rail mounting.

✓ Floor Heating Control

Use the 10 heating zones to comfortably control your floor heating system and efficiently heat and cool rooms through their floor surfaces.

✓ Automatic Control

Control your konekt wireless systems from wherever you are. The konekt wireless App allows you to control your heating from your smartphone.

Price Guide

Product Code	Description	RRP (ex VAT)
UK-WUK-CO-KW-WC10CH	Warmup konekt Wireless 10-Channel Wiring Centre 230V	299.45

Technical Specifications

Konekt Wireless 10-Channel Wiring Centre 230V			
Code	KW-WC10CH	**Dimensions (W x H x D)**	225 x 75 x 52 mm
Current Consumption	6.3 A max.	**Weight**	566 g
Supply Voltage	230 V AC / 50 Hz	**Nominal Load of All Actuators**	250 W max.
Switching Capacity Per Heating Zone	1 A max.	**Radio Frequency Band**	868.0-868.6 MHz, 869.4-869.65 MHz
Type of Disconnection	micro	**Cable Type and Cross Section**	Rigid, flexible cable, 0.75-1.5 mm²
Protection Class	Class I	**Maximum Radiated Power**	10 dBm
Type	1.B.	**Receiver Category**	SRD category 2
Withstand Voltage	2500 V	**Type Open Area RF Range**	270 m
PTI Value of Housing	IIIb with 100 < CTI < 175	**Duty Cycle**	< 1 % per h/< 10 % per h
IP Rating	IP20	**No. of Heating Zones**	10 / (9)
No. of Pumps	1	**No. of Actuators**	15 / (14)
Cable Cross Section of: Cable Bushing 1 Cable Bushing 2 Cable Bushing 3	> 5.2 mm > 8.2 mm > 3.2 mm	**Construction**	Independently mounted electronic regulation and control device, surface mount
Ambient Temperature	0 to 50˚C	**Warranty**	3 Years

Underfloor heating is energy-efficient.

It is estimated that 17.5% of global CO_2 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

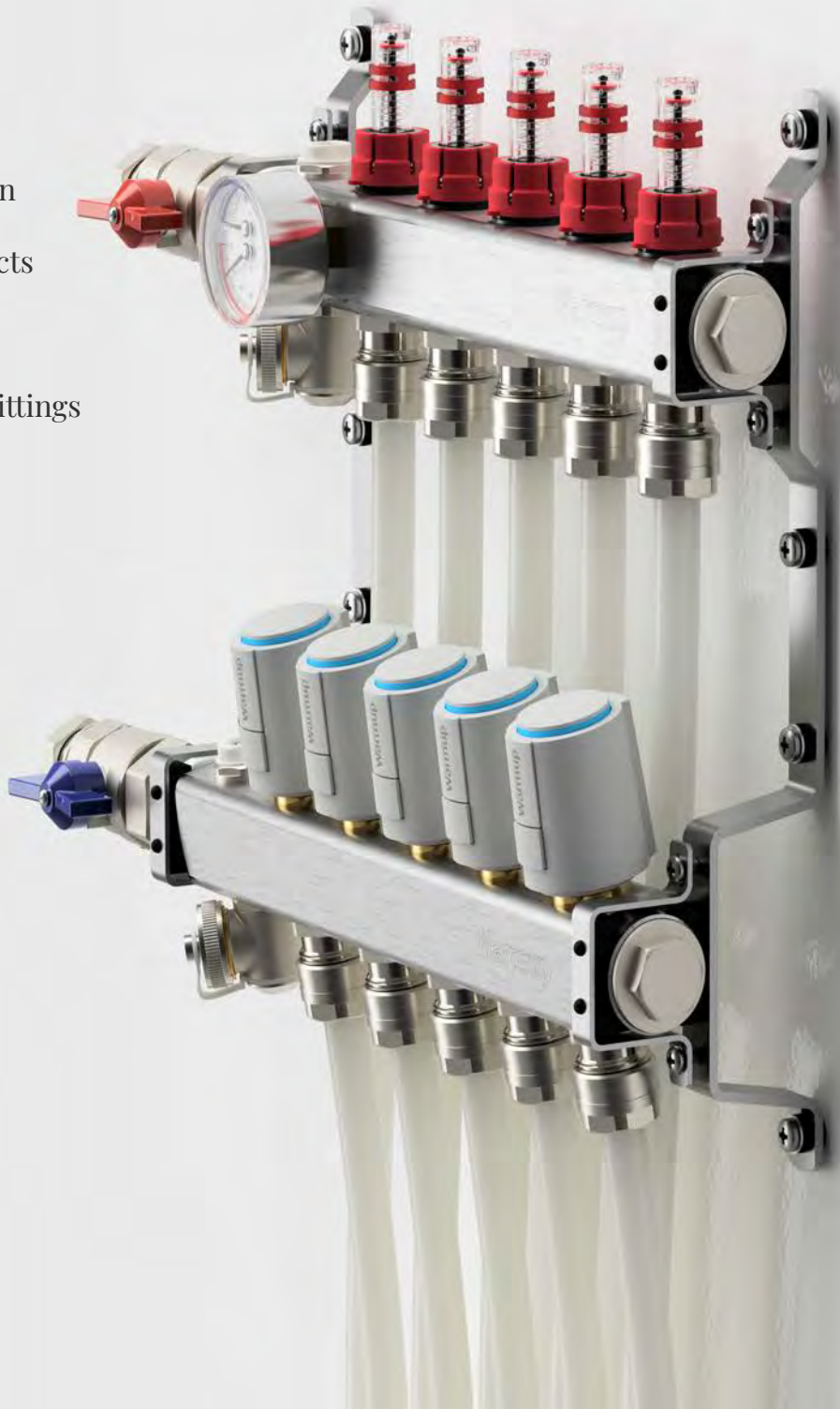
Profile Boards and Insulation

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

6IE-01-OB-DC

6IE-01-BP-LC

6iE™ WiFi Smart Thermostats

Product Code	Description	Price (Excl 20% VAT)
6IE-01-OB-DC	6iE Smart WiFi Thermostat - Onyx Black	£155.44
6IE-01-BP-LC	6iE Smart WiFi Thermostatt - Bright Porcelain	£155.44

ELM-01-OB-DC


ELM-01-WH-RG

Element™ WiFi Smart Thermostats

Product Code	Description	Price (Excl 20% VAT)
ELM-01-OB-DC	Element WiFi Thermostat - Dark with Dark Chrome Bezel	£114.36
ELM-01-WH-RG	Element WiFi Thermostat - Light with Rose Gold Bezel	£114.36

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

S Range Centre for 230V Thermostats


WHS-C-B-MASTER01


WHS-S-SLV4Z


WHS-S-SLV6Z

Product Code	Description	Price (Excl 20% VAT)
WHS-C-B-MASTER01	230v Master wiring box 4 zone for water systems	£69.64
WHS-S-SLV4Z	230V 4 zone slave unit for water systems	£66.15
WHS-S-SLV6Z	230V 6 zone slave unit for water systems	£70.10

konekt Wireless Controls


KW-UKHUB


KW-BLR2CH

KW-STATH

KW-UKETRV


KW-WC10CH

Product Code	Description	Price (Excl 20% VAT)
KW-UKHUB	konekt Wireless - Smart Hub	£79.26
KW-BLR2CH	konekt Wireless - 2 Channel Interlock Relay	£110.27
KW-WC10CH	konekt Wireless - 10 Channel Manifold Control Centre	£299.45
KW-STATH	konekt Wireless - Wireless Thermostat with Humidity Sensor	£79.26
KW-UKETRV	konekt Wireless - Wireless eTRV	£52.47

Price per unit for all thermostats is based on a pack of 1.

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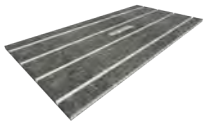
Warmup *VLo* Range

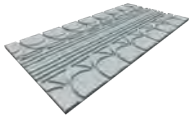
VLo - Nexxa-12 Panel

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

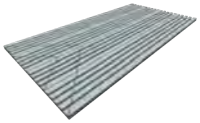
VLo Ultra-12 Panels



ULTRA12-SP-PANEL

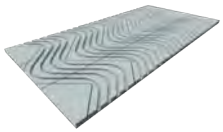


ULTRA12-CP-PANEL



ULTRA12-SS-PANEL

ULTRA12-PP-PANEL



ULTRA12-CS-PANEL

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

Forte™ - Ties for Pipe on Mesh system

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

Clypso™ Staple Gun & clips

WHS-CL-T40

WHS-CL-T60

WHS-CL-FIXER

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

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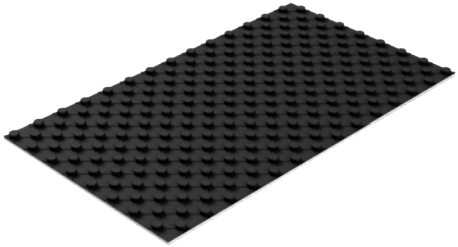
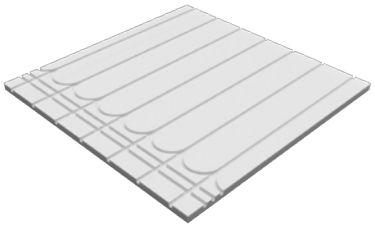
Nexxa™ Panel



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

Contura™ Panel



Product Code	Description	Price (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

Tectora™ Aluminium Diffuser

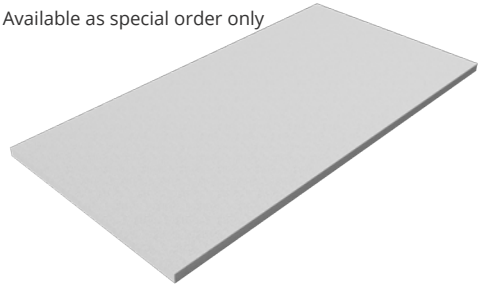
Product Code	Description	Price (Excl 20% VAT)
WHS-TE-ALUDP1	Tectora Diffuser - Aluminium - 2 x 16mm Channels - 0.5mm x 390mm x 1000mm	£11.01

HiDECK™ Overlay 18

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

EPS Insulation - 70kPa*

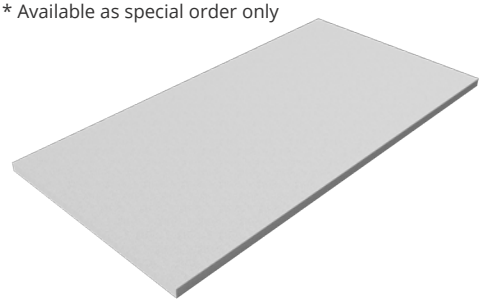
* Available as special order only



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*

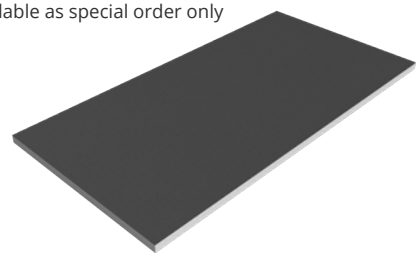
* Available as special order only



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

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.

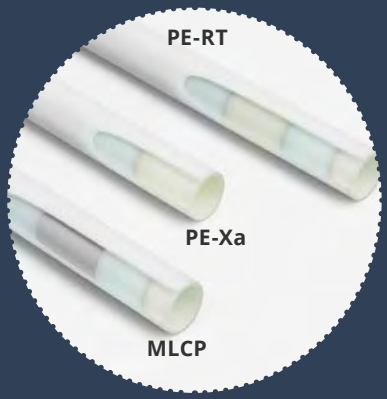
Warmup PE-RT pipe incorporates an EVOH oxygen diffusion barrier layer sandwiched within the wall of the pipe, protecting the EVOH layer from physical damage. The EVOH layer which complies with DIN 4726 renders the pipe virtually impervious to oxygen and other gases. PE-RT pipes retain flexibility at 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, one more pull exchange it free of charge.



✓ 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.

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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	£39.08
PERT-12x60	Pipe - PE-RT - 12mm x 1.6mm - 60m Coil	£46.89
PERT-12x70	Pipe - PE-RT - 12mm x 1.6mm - 70m Coil	£49.17
PERT-12x300	Pipe - PE-RT - 12mm x 1.6mm - 300m Coil	£194.52

PE-RT Pipe 16mm x 2.0mm

Product Code	Description	Price (Excl 20% VAT)
WHS-P-PERT-25	Pipe - PE-RT - 16mm x 2.0mm - 25m Coil	£23.85
WHS-P-PERT-50	Pipe - PE-RT - 16mm x 2.0mm - 50m Coil	£47.72
WHS-P-PERT-60	Pipe - PE-RT - 16mm x 2.0mm - 60m Coil	£57.58
WHS-P-PERT-70	Pipe - PE-RT - 16mm x 2.0mm - 70m Coil	£66.62
WHS-P-PERT-80	Pipe - PE-RT - 16mm x 2.0mm - 80m Coil	£76.49
WHS-P-PERT-90	Pipe - PE-RT - 16mm x 2.0mm - 90m Coil	£85.55
WHS-P-PERT-100	Pipe - PE-RT - 16mm x 2.0mm - 100m Coil	£95.43
WHS-P-PERT-110	Pipe - PE-RT - 16mm x 2.0mm - 110m Coil	£105.30
WHS-P-PERT-120	Pipe - PE-RT - 16mm x 2.0mm - 120m Coil	£114.34
WHS-P-PERT-300	Pipe - PE-RT - 16mm x 2.0mm - 300m Coil	£289.57

PE-Xa Pipe 16mm x 2.0mm

Product Code	Description	Price (Excl 20% VAT)
WHS-P-PEXA-25	Pipe - PE-Xa - 16mm x 2.0mm - 25m Coil	£35.12
WHS-P-PEXA-50	Pipe - PE-Xa - 16mm x 2.0mm - 50m Coil	£70.25
WHS-P-PEXA-60	Pipe - PE-Xa - 16mm x 2.0mm - 60m Coil	£84.30
WHS-P-PEXA-70	Pipe - PE-Xa - 16mm x 2.0mm - 70m Coil	£98.34
WHS-P-PEXA-80	Pipe - PE-Xa - 16mm x 2.0mm - 80m Coil	£112.40
WHS-P-PEXA-90	Pipe - PE-Xa - 16mm x 2.0mm - 90m Coil	£126.44
WHS-P-PEXA-100	Pipe - PE-Xa - 16mm x 2.0mm - 100m Coil	£140.48
WHS-P-PEXA-110	Pipe - PE-Xa - 16mm x 2.0mm - 110m Coil	£154.55
WHS-P-PEXA-120	Pipe - PE-Xa - 16mm x 2.0mm - 120m Coil	£168.59
WHS-P-PEXA-200	Pipe - PE-Xa - 16mm x 2.0mm - 200m Coil	£281.00
WHS-P-PEXA-300	Pipe - PE-Xa - 16mm x 2.0mm - 300m Coil	£421.49
WHS-P-PEXA-500	Pipe - PE-Xa - 16mm x 2.0mm - 500m Coil	£637.64

MLCP 16mm x 2.0mm

Product Code	Description	Price (Excl 20% VAT)
MLCP-50	Pipe - MLCP - 16mm x 2.0mm - 50m Coil	£45.43
MLCP-100	Pipe - MLCP - 16mm x 2.0mm - 100m Coil	£90.85
MLCP-120	Pipe - MLCP - 16mm x 2.0mm - 120m Coil	£104.83

**Available on special order*

Warmup S3 Manifold™

Product Code	Description	Price (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

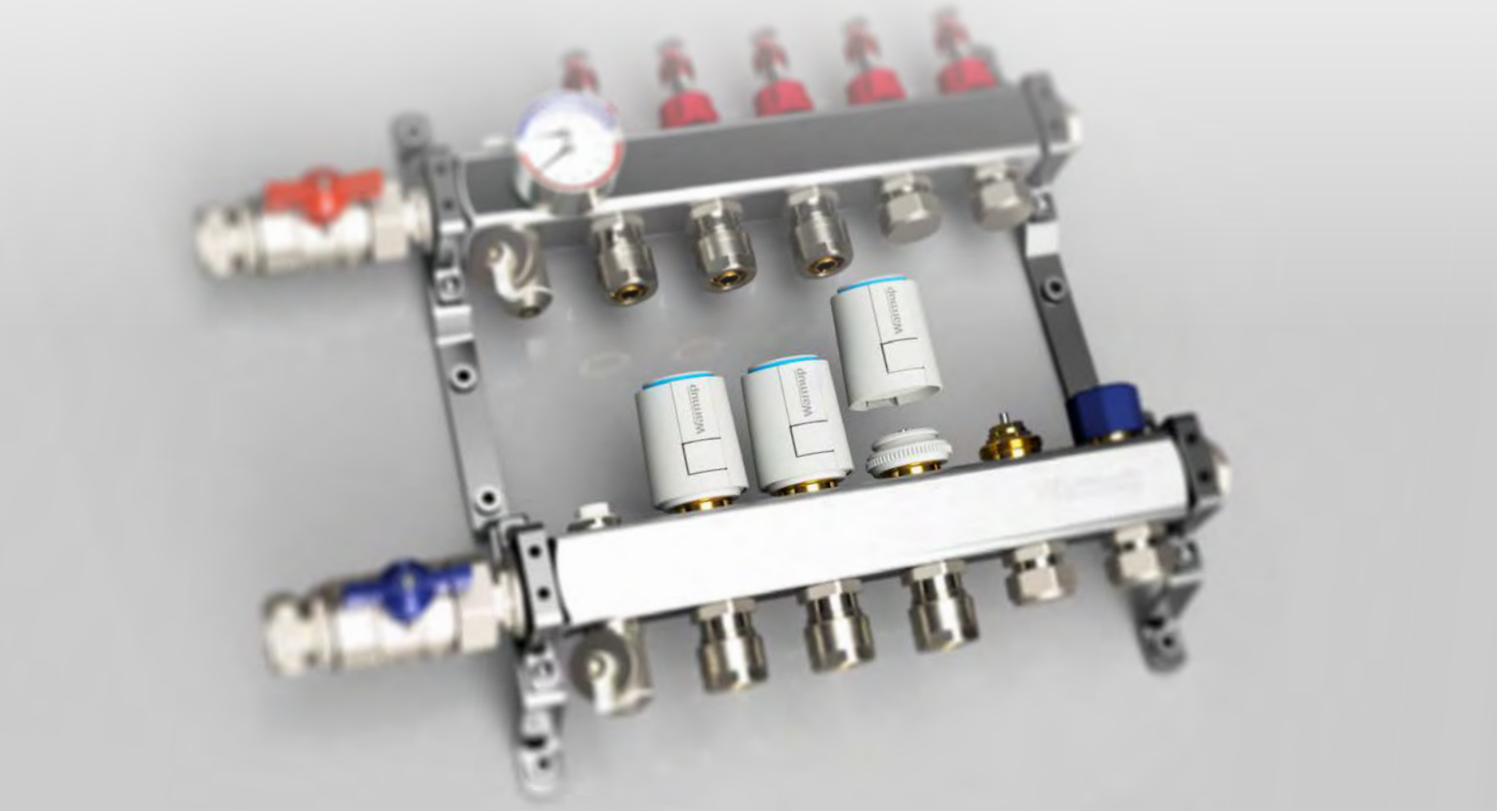
Isolation Valves

Mixing Unit

Blanking Cap

230V Actuator for Water Systems

Product Code	Description	Price (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

Pipe Connector 12mm

Pipe Connector 15mm

Pipe Connector 16mm

¾" Eurocone Socket to ½" Male BSP

Double Eurocone Socket

Product Code	Description	Price (Excl 20% VAT)
ACC-CONNECT12x1.6	Pipe Connector - ¾" Eurocone to 12mm x 1.6mm	£2.25
WHS-P-CONNECT	Pipe Connector - ¾" Eurocone to 16mm x 2.0mm	£2.25
ACC-CONNECT15	Pipe Connector - ¾" Eurocone to 15mm x 1.8mm	£2.45
ACC-DEURSOCKET	¾" x ¾" Double Eurocone Socket	£3.05
ACC-REDUCERFITTING	¾" Eurocone Socket to ½" Male BSP	£2.80

Manifold Cabinet

Product Code	Description	Price (Excl 20% VAT)
WHS-cabinet400	Manifold Cabinet - 130mm x 640mm x 400mm	£87.11
WHS-cabinet450	Manifold Cabinet - 130mm x 640mm x 450mm	£90.12
WHS-cabinet530	Manifold Cabinet - 130mm x 640mm x 530mm	£99.12
WHS-cabinet680	Manifold Cabinet - 130mm x 640mm x 680mm	£114.16
WHS-cabinet830	Manifold Cabinet - 130mm x 640mm x 830mm	£130.19
WHS-cabinet1030	Manifold Cabinet - 130mm x 640mm x 1030mm	£146.20
WHS-cabinet1130	Manifold Cabinet - 130mm x 640mm x 1130mm	£156.21

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

Curved Pipe Support

Pipe Clip

Water Perimeter Expansion Strip

Pipe Conduit

Perimeter Expansion Strip

2-Port Motorised Zone Valve

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-PRIMER	Multi Surface Primer (1l)	£15.88
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

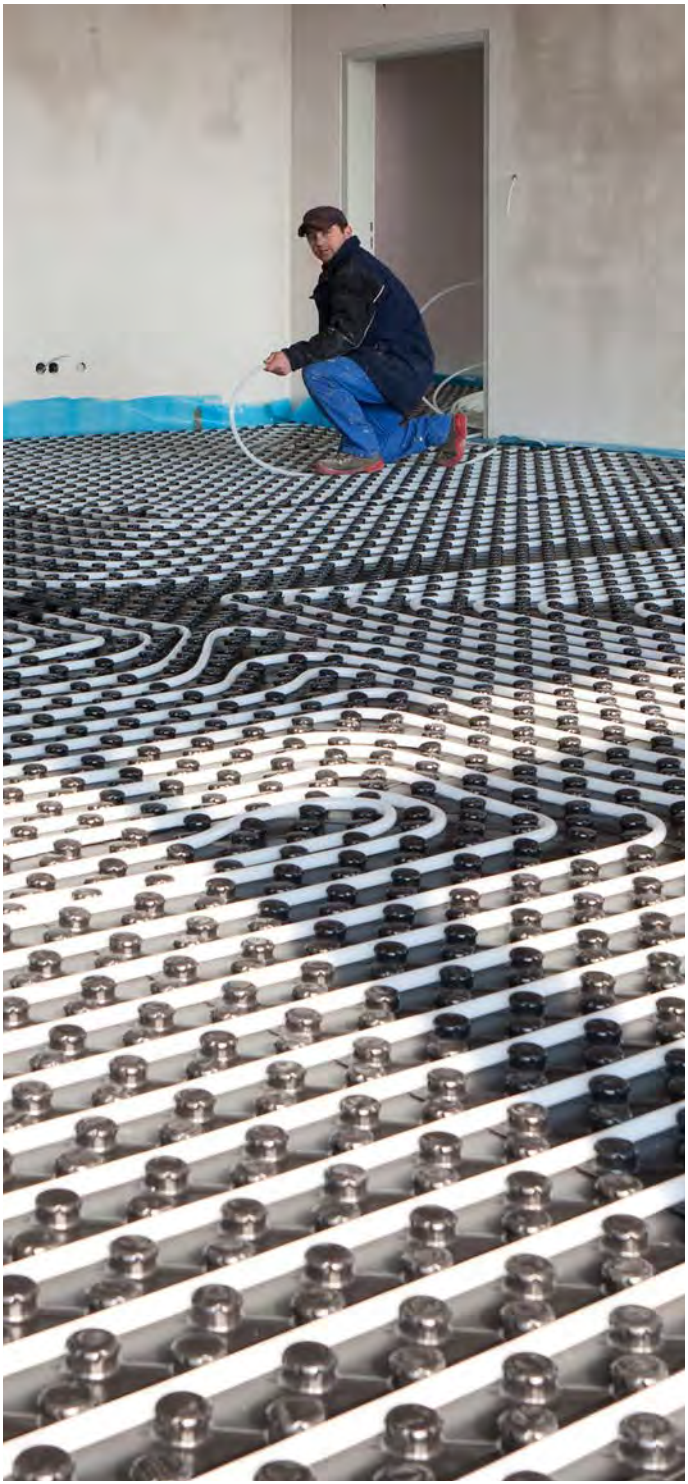
Pipe Decoiler

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



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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.

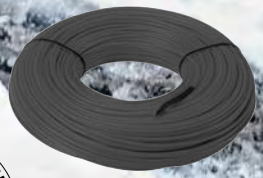
Snow Melting Cables

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

Concrete Applications

Asphalt Applications



WARMUP 10 YEAR WARRANTY · 10 YEAR LIMITED WARRANTY Warmup · WARMUP 10 YEAR WARRANTY ·

FI CE UK CA

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

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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 ELECTRIC

PRO HYDRO

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

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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 Smart Care

Warmup Smart Care 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 6iE Smart 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!

SAFETY Net™ 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

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

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