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

Electric UFH

Our frequently ordered Electric UFH products...

Warmup Element™ WiFi Thermostat
Page 55

Warmup 7iE™ Smart Matter WiFi Thermostat
Page 54

For further technical information please visit **www.warmup.co.uk**

Electric UFH

Thermostats

Range	Page No.	Display				Connectivity			Safety	
		Touch Control	Customise Display	Colour Display	Mono Display	WiFi Control	App Control	Compatible with Smart Devices	IP20 Rated	IP33 Rated
new Warmup 7iE™ Smart Matter WiFi Thermostat	54	●	●	●		●	●	●		●
Warmup Element™ WiFi Thermostat	55	●		●		●	●	●		●
Warmup Tempo™ Programmable Thermostat	55				●				●	

Electric Underfloor Heating Features

There are many features in our electric underfloor heating range. Use the icons to help choose the right option for you.

Touch Controls
Multi function touchscreen providing effortless control at your fingertips.

Customise Display
Personalise with photo backgrounds, the only underfloor heating thermostat with this ability.

Colour Display
Clear graphical display makes any adjustment quick and easy. Choose the display style that suits you best – wide choice of screen themes.

Mono Display
Easy-to-use interface and intuitive design enables end users to choose the time as easily as they would with a watch or clock and quickly set their programs.

WiFi Control
Allows you to link your thermostat with your home's existing Smart technologies such as the Amazon Echo or Google Home.

App Control
SmartGeo is a unique technology developed by Warmup and built into the MyHeating App that uses an advanced algorithm to understand the most efficient heat settings for your home.

Compatible with Smart Devices
Monitor your energy + cost graphs on mobile, tablet and desktop.

IP20 Rated
The thermostat is touchproof and will be resistant to dust or objects that are over 12mm in size. However, it has no protection whatsoever against water.
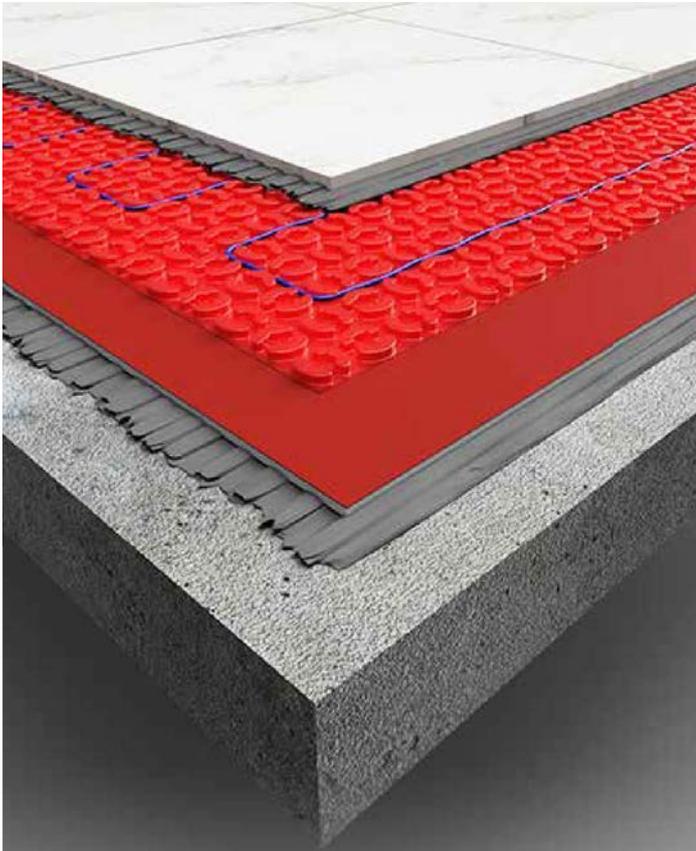
IP33 Rated
The thermostat is protected from tools and wires greater than 2.5mm. Protected from water spray less than 60 degrees from vertical.

new

"Turn up my Warmup heating in the kitchen to 22 degrees"

See page 54 to find out more

matter

works with Google Home   Works with Apple Home   works with alexa

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

Materials

DCM-PRO™

Take a closer look at the DCM-PRO™ features video, scan to find out more

DCM-PRO™ – Heated Decoupling System

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.

CE UKCA BEAB Approved Intertek SAFETYNet™ Installation-Guarantee

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 ideal with seasonal changes, preventing damage occurring from gaps and cracks in the subfloor. (Patent No. GB2548319B).

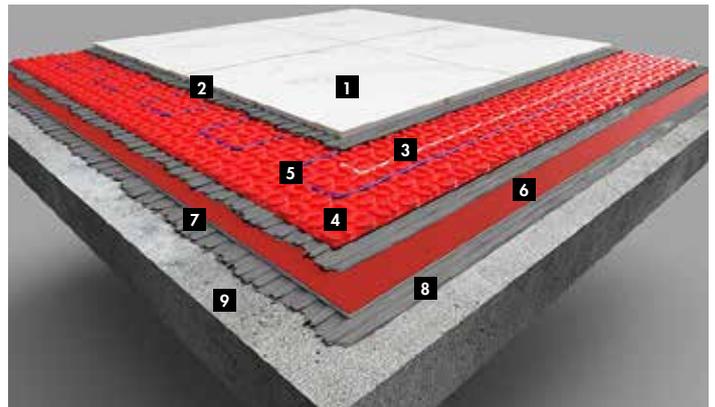*Protects floor surface from damage caused by subfloor movement.*

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)
5 Heating Cable
6 Warmup Ultralight™ (optional)
7 Flexible Tile Adhesive (optional)
8 Warmup Primer
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

DCM-PRO™ Mat V3 – Specification

Product Code	DCM-PS 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

Materials

DCM-PRO™

DCM-PRO™ Cables – Specification

Product Code	DCM-C-#
Connection	3m long coldtail Flat 2 core cable with earth braid
Operating Voltage	230 V AC: 50 Hz
Output Rating	(3 castellations – 90 mm) DCM-C: 150 W/m²
Heating Cores	Dual core, multi-strand heating element
ASTM C627	Light Commercial Use
Cable Sheath	Blue
IP Rating	X7
Inner / Outer Insulation	ETFE / PVC
Earth Protection	Metal braiding surrounding heating cores
Min. Install Temp.	-10 °C
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

	Heated area at different spacings, m²		
	Castellations		
	2	3	4
	60mm	90mm*	120mm
	225 W/m²	150 W/m²	112.5 W/m²
DCM-C-1	0.7	1.0	1.3
DCM-C-1.5	1.0	1.5	2.0
DCM-C-2	1.3	2.0	2.7
DCM-C-2.5	1.7	2.5	3.3
DCM-C-3	2.0	3.0	4.0
DCM-C-3.5	2.3	3.5	4.7
DCM-C-4	2.7	4.0	5.3
DCM-C-4.5	3.0	4.5	6.0
DCM-C-5	3.3	5.0	6.7
DCM-C-6	4.0	6.0	8.0
DCM-C-7	4.7	7.0	9.3
DCM-C-8	5.3	8.0	10.7
DCM-C-9	6.0	9.0	12.0
DCM-C-10	6.7	10.0	13.3
DCM-C-12	8.0	12.0	16.0
DCM-C-14	9.3	14.0	18.7
DCM-C-16	10.7	16.0	21.3

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 V3 – Product

	Format	Length	Width
DCM-PS-0.73	DCM-PRO Peel & Stick V3 Mat - 0.73m² Sheet	741mm	985mm
DCM-PS-14	DCM-PRO Peel & Stick V3 Mat - 14m² Roll	14,252mm	985mm
DCM-F-0.73	DCM-PRO Fleece V3 Mat - 0.73m² Sheet	741mm	985mm
DCM-F-14	DCM-PRO Fleece V3 Mat - 14m² Roll	14,252mm	985mm

DCM-PRO™ Cables – Ancillaries

	Format	Length	Height	Width	Thickness
DCM-E-25	Perimeter Edge Strip	25m	–	30mm	10mm
DCM-T-10	Waterproofing Tape	10m	–	120mm	1mm
DCM-R-I	Internal Corner	120mm	60mm	120mm	1mm
DCM-R-E	External Corner	120mm	60mm	120mm	1mm

Peel + Stick Mat

Fleece Mat

Perimeter Edge Strip

Waterproofing Tape

Waterproofing Tape Internal

Waterproofing Tape External

F&Qs

Q – Can the DCM-PRO™ system reduce the risk of my tiled floor developing cracks?
A – 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).

Q – How does the DCM-PRO™ cable fit into the DCM-PRO™ mat?
A – 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.

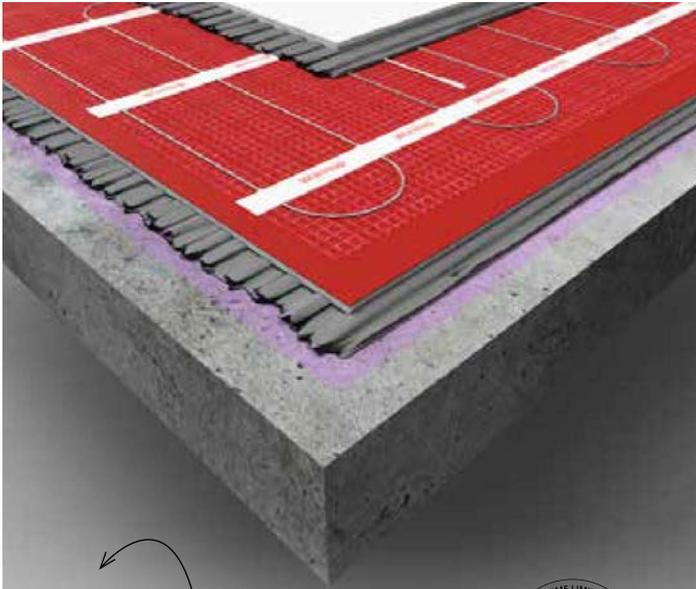**Q – How quickly can I lay a floor finish onto the DCM-PRO™?**
A – Straight away. One of the main advantages of the self-adhesive properties of the DCM-PRO™ is no waiting time. As soon as the mat is fitted, cable installed and cable resistance checked, tiling or self-levelling can be started.

Q – Can the DCM-PRO™ system be used in a wet room?
A – 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.

Warmup®
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Materials

StickyMat™

LIFETIME*
LIMITED
WARRANTY
Warmup
WARMUP LIFETIME LIMITED WARRANTY

StickyMat™ – Heated Mat System

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

StickyMat™ – Specification

Product Code	SPM / 2SPM
Connection	3m long coldtail, Flat 2 core cable with earth braid
Operating Voltage	230 V AC: 50 Hz
Output Rating	150 W/m² (SPM) / 200 W/m² (2SPM)
Heating Cores	Dual core, multi-strand heating element
Thread Connections	BS EN ISO 228-1
IP Rating	X7
Cable Sheath	Translucent
Cable Spacing	80 mm (+/- 3mm)
Mesh	Sticky pressure sensitive fibreglass mesh
Inner / Outer Insulation	ETFE
Earth Protection	Metal braiding surrounding heating cores
Min. Install Temp	-10 °C

CE UKCA BEAB Approved Intertek SAFETY Net™ Installation-Guarantee

Typical Floor Build-Up
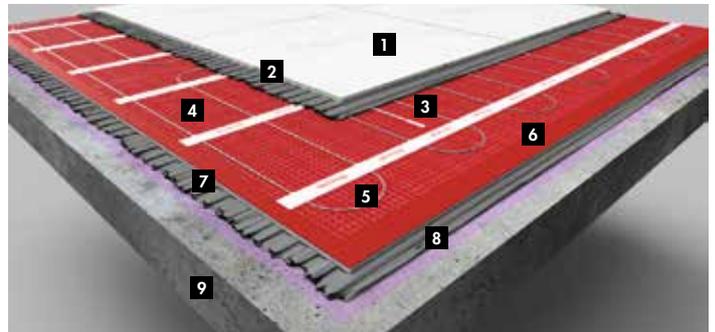
1 Floor Finish
2 Flexible Adhesive
3 Floor Sensor
4 Fibreglass Mesh (with pressure sensitive adhesive)
5 Heating Cable
6 Warmup Ultralight™ (optional)
7 Flexible Tile Adhesive (optional)
8 Warmup Primer
9 Pre-insulated Subfloor (with a surface regularity of SR1*)

If installing the optional Warmup Ultralight™, refer to its installation manual for its sub floor requirements
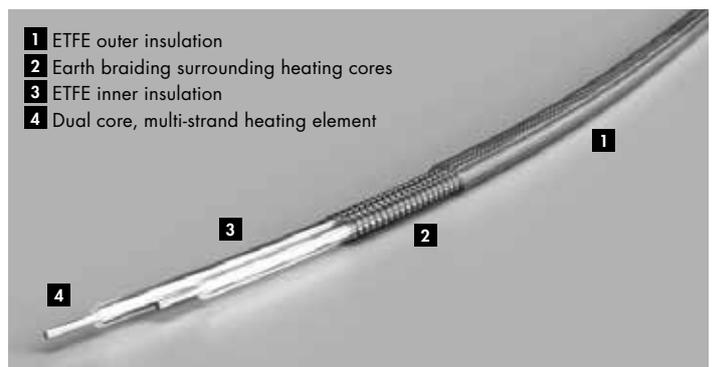
StickyMat™ – 150W/m² System	Area Heated	Wattage	Amps
SPM1	1m²	150W	0.65A
SPM1.5	1.5m²	225W	0.98A
SPM2	2m²	300W	1.30A
SPM2.5	2.5m²	375W	1.63A
SPM3	3m²	450W	1.96A
SPM3.5	3.5m²	525W	2.28A
SPM4	4m²	600W	2.61A
SPM4.5	4.5m²	675W	2.93A
SPM5	5m²	750W	3.26A
SPM6	6m²	900W	3.91A
SPM7	7m²	1050W	4.57A
SPM8	8m²	1200W	5.22A
SPM9	9m²	1350W	5.87A
SPM10	10m²	1500W	6.52A
SPM11	11m²	1650W	7.17A
SPM12	12m²	1800W	7.83A
SPM15	15m²	2250W	9.78A

StickyMat™ – 200W/m² System	Area Heated	Wattage	Amps
2SPM0.5	0.5m²	100W	0.44A
2SPM1	1m²	200W	0.87A
2SPM1.5	1.5m²	300W	1.30A
2SPM2	2m²	400W	1.74A
2SPM2.5	2.5m²	500W	2.17A
2SPM3	3m²	600W	2.61A
2SPM3.5	3.5m²	700W	3.04A
2SPM4	4m²	800W	3.48A
2SPM4.5	4.5m²	900W	3.91A
2SPM5	5m²	1000W	4.35A
2SPM6	6m²	1200W	5.22A
2SPM7	7m²	1400W	6.09A
2SPM8	8m²	1600W	6.96A
2SPM9	9m²	1800W	7.83A
2SPM10	10m²	2000W	8.70A
2SPM15	15m²	3000W	13.04A

Cable Section

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

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Materials
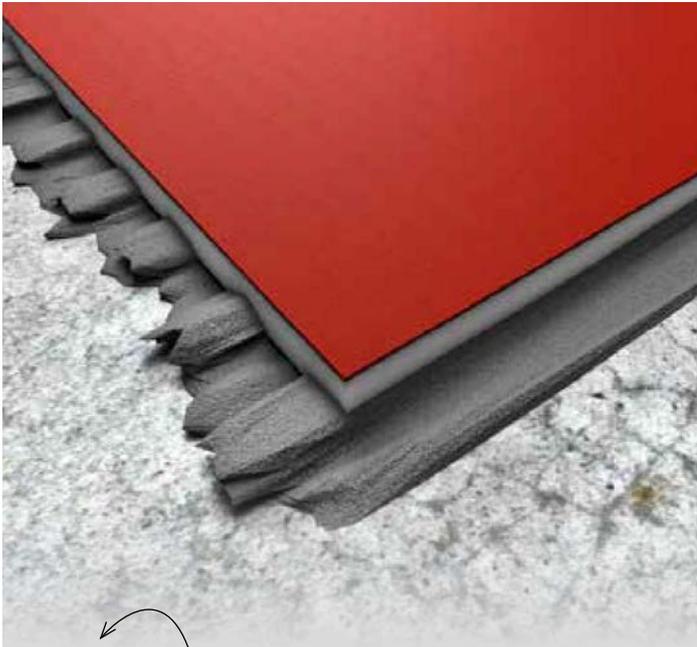
Warmup Ultralight™

Take a closer look at the Ultralight™ features video, scan to find out more

10 YEAR LIMITED WARRANTY • WARMUP 10 YEAR WARRANTY • WARMUP 10 YEAR WARRANTY • Warmup

Warmup Ultralight™

4in1 (Insulating, Heat Spreading, Decoupling, Sound Reducing)

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
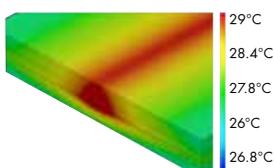
Reduces eUFH Heat Up Times
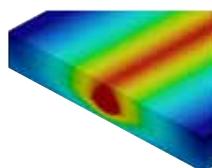30% faster heat up times than standard insulation boards

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
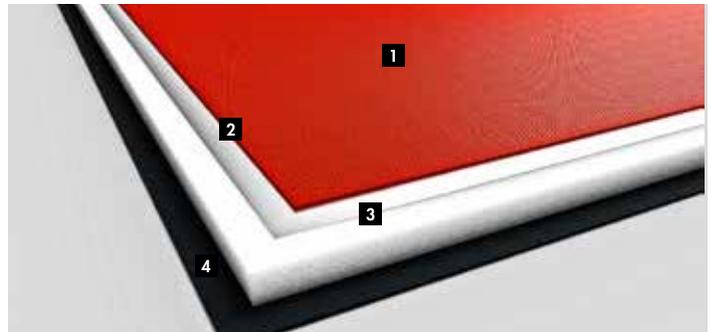
Heat Spread

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.

Typical Floor Build-Up

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

Electric Systems – Compatibility	
DCM-PRO™	✔
StickyMat™	✔

Warmup Ultralight™ Insulation – Specification

Product Code	WCI-X
Pack Size	1, 6,16,170 Boards
Thickness	6 mm ±0.3mm
Dimensions	800mm (W) x1200mm (L) ±6mm
Area	0.96m²
Weight of Board	1.1kg
Thermal Resistance EN 12667	0.111m² K/W
Thermal Conductivity EN 12667	0.054 W/mK
Reaction To Fire, EN 13501-1EN ISO 11952-2	Euroclass E
Release of Dangerous Substances, REACH	SVHC ≤ 0.1% w/w
Compressive Strength, 10% Compression, EN 826	220 kPa
Point Loading, Tiled ANSI A118.12	≥ 2.2 kN
Robinson Test, 100 - 199 mm Tiles, ASTM C627	Domestic
Robinson Test, 200 - 599 mm Tiles ASTM C627	Light Commercial
Robinson Test, ≥ 600 mm Tiles ASTM C627	Heavy Commercial
7 Day Shear Strength, ANSI A118.12	113 psi (780 kPa)
Crack Resistance (Anti-Fracture / Decoupling), ANSI A118.12	≥ 1/8" => High Performance
Long Term Water Absorption, EN 12087	0.052% w/w
Water Vapour Permeability, EN 12086	9.12 mg/m²h
Mould Growth, ANSI A118.12	Does not support mould growth

Warmup Ultralight™ Insulation – Product

WCI-01	Ultralight Insulation Board 6mm x 800mm x 1,200mm
WCI-06	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 6 / 5.76m²)
WCI-16	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 16 / 15.36m²)
WCI-170	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pallet of 170 / 163.20m²)

Warmup

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Thermostats

Warmup 7iE™ Smart Matter WiFi Thermostat

new

7iE™ Smart Matter WiFi Thermostat
– Onyx Black

7iE™ Smart Matter WiFi Thermostat
– Bright Porcelain

Features + Benefits

The 7iE™ Smart Matter WiFi Thermostat's ultra-slim design sits just 16mm from wall

The 7iE™ Smart Matter WiFi Thermostat helps find the most efficient heat settings for a property

Quick to install, the 7iE™ Smart Matter WiFi Thermostat can be set up in minutes using the QR code

The 7iE™ Smart WiFi Thermostat provides flexible multi-zone control for water and electric UFH systems

The 7iE™ Smart Matter WiFi Thermostat helps reduce energy usage by up to 25%

Finish – Onyx Black or Bright Porcelain
Dimensions – 115(h) x 90(w) x 39(d) mm

IP33 **matter**

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

7IE-01-OB-DC	Onyx Black
7IE-01-BP-LC	Bright Porcelain

12 YEAR LIMITED WARRANTY
Warmup

Warmup's 7iE™ Smart Matter WiFi Thermostat

World's first UFH controller with a Smartphone touchscreen.

The 7iE uses advanced technology to maximise on the efficiency of a Warmup heating system. With Matter compatibility and Smartcare support included, the 7iE effortlessly integrates your heating within your Smart home ecosystem - including Apple Home, Google Home, and Amazon Alexa.

⊘ **Provides Smarter Energy Savings**
The 7iE™ Smart Matter WiFi Thermostat automatically adjusts your heating to maximise comfort and efficiency, with up to 25% energy saving

⊘ **Effortless Smart Home Integration**
The 7iE™ Smart Matter WiFi Thermostat is compatible with Apple, Google and Amazon devices through its Matter technology

⊘ **Expert Heating Support**
Includes expert heating support through its access to Smartcare, which provides proactive system monitoring and market-leading support for life

C E UK CA BEAB

Warmup 7iE™ Smart Matter WiFi Thermostat – Specification	
Max. Load	16A (3680W)
Max. Ambient Temperature	40°C
Operating Frequency	2401 - 2484MHz
Sensors	Air & Floor (Ambient)
Sensor Type	NTC10K 3m Long (Can Be Extended to 50m)
Installation Depth	Recommended – 50mm Back Box
Minimum – 35mm Back Box
IP Rating	IP33
Compliance	CE & UKCA Marked
Compatibility	Electric Underfloor Heating, Hydronic Underfloor Heating, Central Heating Systems (Combi & system boilers with switch live, 230V AC input)
Warranty	12 Years when installed with a Warmup Heater
3 Years when installed without a Warmup Heater
Er-P Class	IV
Approvals	BEAB

All dimensions in mm. All measurements are approximate and subject to standard tolerances.

Electric UFH

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

Thermostats

Warmup Element™ WiFi Thermostat

Element™ WiFi Thermostat – Dark

Element™ WiFi Thermostat – Light

Features + Benefits

Simple touch buttons for accurate control of your underfloor heating system. Its sleek, unobtrusive design will suit any home décor

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

Reduce energy use by up to 25% with energy efficient MyHeating™ app technology

Compatible with all Warmup Underfloor Heating Systems

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

Helps find the most efficient heat settings for your home

Finish – Dark or Light
Dimensions – 86(h) x 86(w) x 16(d) mm

IP33 CE UKCA BEAB

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

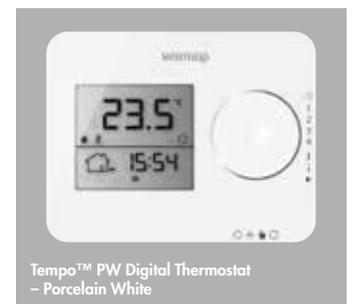|	
ELM-01-OB-DC	Dark (Band Colour – Dark Chrome)
ELM-01-WH-RG	Light (Band Colour – Rose Gold)

12 YEAR LIMITED WARRANTY Warmup

Take a closer look at the Element™ features video, scan to find out more

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Warmup Tempo™ Programmable Thermostat

Tempo™ PB Digital Thermostat – Piano Black

Tempo™ PW Digital Thermostat – Porcelain White

Features + Benefits

Stylish and contemporary design with an easily controlled dial and sliders

Clear screen displaying program details

Suitable with all Warmup electric and water underfloor heating systems

Available in Porcelain White and Piano Black

Perfect for the whole house with the exception of the bathroom

Finish – Piano Black or Porcelain White
Dimensions – 90(h) x 113(w) x 23(d) mm (flush fit)

IP20 CE UKCA BEAB

ELT-PB	Piano Black
ELT-PW	Porcelain White

3 YEAR LIMITED WARRANTY Warmup

INSTINCT®

ideal HEATING

Hot Water Cylinders that work in harmony with your boiler

Combining quality, durability, and efficiency, the Instinct hot water cylinder range has been designed to work hand-in-hand with your boiler for excellent results. Available in sizes of up to 300 litres, Instinct's hot water cylinders can help keep your home comfortable all year round —whatever your central heating needs.

25 year vessel warranty

Less space required – no need for a water storage tank in the loft

Perfect for homes that have a high demand for hot water

Corrugated heating coil

Manufactured from duplex stainless steel

Manufactured in the UK

Instinct hot water cylinders – a high quality addition to your central heating system.

Visit instinctproducts.co.uk and find your local stockist