

PVC HEATING MAT

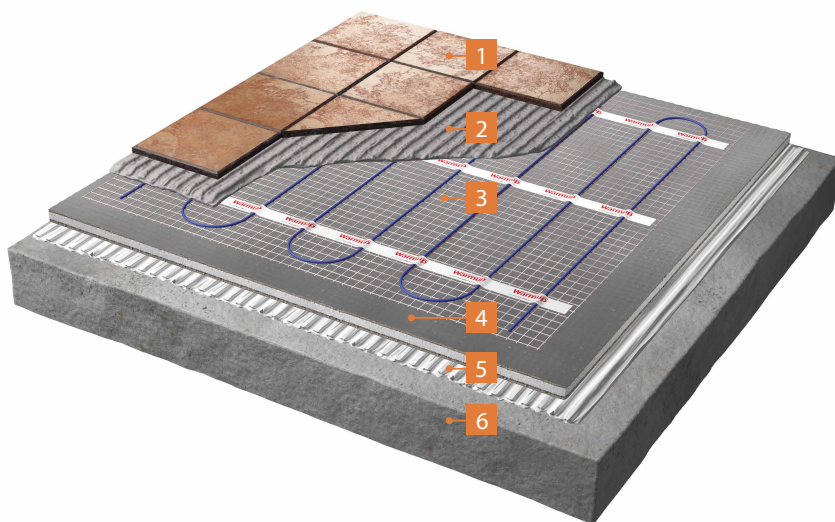
Overview

The PVC floor heating mat systems are designed to be tough enough for professional use, yet easy to install for do it yourself enthusiasts. The radiant heating cable is attached to a tough fibreglass mesh.

The PVC mat system utilises our dual core heating element and with only one power lead to wire, it is easy to install in just a matter of hours, without raising floor levels. The cable is attached in a series of loops to thin but tough mats, to fit floor areas from as small as 1m² and up.

FLOOR CONSTRUCTION

1. Floor finish
2. Tile adhesive or levelling compound
3. Heating Mat
4. Coated Insulation Board
5. Flexible adhesive
6. Subfloor

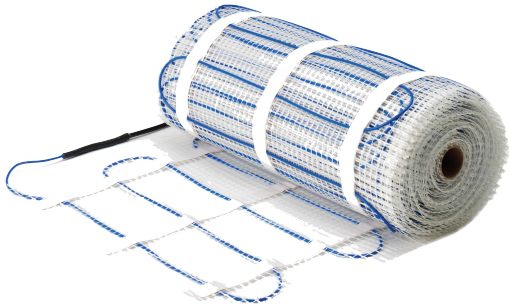


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Warmup[®]

The world's best-selling floor heating brand™

Technical Data

OPERATING VOLTAGE	220 - 240v: 50Hz	
IP RATING	IPX7	
MAT WIDTH	50cm	
CABLE THICKNESS	3mm	
OUTPUT RATING	150 and 200W/m ²	
INNER INSULATION	PTFE	
OUTER INSULATION	PVC	
MIN. INSTALLATION TEMP	5°C	
CONNECTION	3m LONG "COLDTAIL" CONNECTION	

Features

- The heating element is 3mm, dual core and double insulated.
- Sturdy fibreglass mesh for extra durability and super-sticky double-sided tape for secure installation.
- Quick installation - Simply roll out mat with pre-spaced wire
- BEAB Approved and CE marked meeting the highest safety standards
- 10 Years Warranty and SafetyNet™ Installation Guarantee

SAFETY Net[™]
Installation-Guarantee



Dimensions

PRODUCT CODE	PVC 150W/m ²				
	AREA (m ²)	LENGTH x WIDTH (m)	WATTAGE (W)	AMPERAGE (A)	RESISTANCE (Ω)
PVC1	1,0	2 x 0,5	150	0,7	353
PVC1.5	1,5	3 x 0,5	225	1,0	235
PVC2	2,0	4 x 0,5	300	1,3	176
PVC2.5	2,5	5 x 0,5	375	1,6	141
PVC3	3,0	6 x 0,5	450	2,0	118
PVC3.5	3,5	7 x 0,5	525	2,3	91
PVC4	4,0	8 x 0,5	600	2,6	88
PVC4.5	4,5	9 x 0,5	675	2,9	78
PVC5	5,0	10 x 0,5	750	3,3	71
PVC6	6,0	12 x 0,5	900	3,9	59
PVC7	7,0	14 x 0,5	1050	4,6	50
PVC8	8,0	16 x 0,5	1200	5,2	44
PVC9	9,0	18 x 0,5	1350	5,9	39
PVC10	10,0	20 x 0,5	1500	6,5	35
PVC12	12,0	24 x 0,5	1800	7,8	29
PVC15	15,0	30 x 0,5	2400	9,8	24

PRODUCT CODE	PVC 200W/m ²				
	AREA (m ²)	LENGTH x WIDTH (m)	WATTAGE (W)	AMPERAGE (A)	RESISTANCE (Ω)
2PVC1R	1,0	2 x 0,5	200	0,9	265
2PVC1.5R	1,5	3 x 0,5	300	1,3	176
2PVC2R	2,0	4 x 0,5	400	1,7	132
2PVC2.5R	2,5	5 x 0,5	500	2,2	106
2PVC3R	3,0	6 x 0,5	600	2,6	88
2PVC3.5R	3,5	7 x 0,5	700	3,0	76
2PVC4R	4,0	8 x 0,5	800	3,5	66
2PVC4.5R	4,5	9 x 0,5	900	3,9	59
2PVC5R	5,0	10 x 0,5	1000	4,4	53
2PVC6R	6,0	12 x 0,5	1200	5,2	44
2PVC7R	7,0	14 x 0,5	1400	6,1	38
2PVC8R	8,0	16 x 0,5	1600	7,0	33
2PVC9R	9,0	18 x 0,5	1800	7,8	29
2PVC10R	10,0	20 x 0,5	2000	8,7	26
2PVC15R	15,0	30 x 0,5	3000	13,0	18

WARMUP COMPONENTS

Insulation Boards

Warmup® Insulation Boards are a water resistant, insulated tile backer board made of extruded polystyrene, faced on both sides with a fibreglass mesh embedded into a thin cement polymer mortar.

They have high thermal insulation properties for energy efficiency and an added benefit of sound absorption.

INSBOARD - TECHNICAL SPECIFICATIONS

MODEL	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT (kg)	R VALUE (m ² .K/W)
INSBOARD6MM	6	600	1250	1,95	0,16
INSBOARD(PK1)	10	600	1250	2,22	0,28
INSBOARD20MM	20	600	1250	2,48	0,58
INSBOARD50MM	50	600	1250	3,26	1,50



Warmup Insulation Boards have zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than 5

Thermostat



4iE® SMART WIFI THERMOSTAT

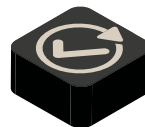
For Central Heating and Floor Heating Systems

Connected to the internet by WiFi, it can be controlled from a smartphone, tablet or computer as well as its own touchscreen interface. It learns how homeowners use their heating and the unique way each zone reacts. It uses this knowledge to suggest ways to save energy, such as what temperature should be set when the area is not in use and when the heating can be turned off earlier with no noticeable impact on comfort.



SmartGeo™

Always at the right temperature automatically, and up to 25% lower energy usage. Just like magic.



Easy to use

Simple and secure set up using WiFi, with control via smartphone, tablet or computer.



3iE Energy-Monitoring Thermostat



Tempo Programmable Thermostat

4iE™ Smart WiFi Thermostat

Overview

The 4iE is designed to look great in contemporary and traditionally styled homes. Connected to the internet by WiFi, it can be controlled from a smartphone, tablet or computer as well as its own touchscreen interface. It learns how homeowners use their heating and the unique way each zone reacts.

It uses this knowledge to suggest ways to save energy, such as what temperature should be set when the area is not in

use and when the heating can be turned off earlier with no noticeable impact comfort.

The 4iE offers many features and benefits that make it stand out from other smart thermostats, offering important advantages to the homeowner and trade professional.



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Features

- 4iE can be programmed via your smartpone, tablet or computer using the MyWarmup app
- The 4iE can be set to learn your schedule and program the heating itself
- Offers energy saving advice and could save you on average £210 on UK energy bill by finding you better energy deals
- WarmApps such as traffic alerts and transport delays available on the 4iE
- BEAB Approved and CE marked meeting the highest safety standards for ultimate piece of mind
- 3yr Warranty with option to upgrade to Lifetime Warranty



Technical Specifications

4iE - TECHNICAL SPECIFICATIONS	
INPUT VOLTAGE	230V +/- 15% at 50Hz
MAX LOAD	16A (3680W)
DIMENSIONS	(H/W/D): 90 x 120 x 18mm (from wall)
SENSORS	AIR & FLOOR (AMBIENT)
SENSOR TYPE	NTC10K 3m LONG (CAN BE EXTENDED TO 50m)
IP RATING	IP33
INSTALLATION DEPTH	35mm BACK BOX
DISPLAY SIZE	3.5" FULL COLOUR TOUCHSCREEN
COMPATIBILITY	IDEAL FOR ELECTRIC & HYDRONIC UNDERFLOOR HEATING UP TO 16A. COMBI & SYSTEM BOILERS WITH SWITCH LIVE (230VAC) INPUT
Er-P CLASS	IV



3iE™ Energy-Monitor Thermostat



Overview

The world's first fully interactive, touch technology, energy-monitor thermostat features an easy-to-use interface, eliminating complicated instruction manuals. The display shows recorded energy consumption usage, so

that users know the exact underfloor heating costs. Up to 10 programmable periods can be set each day to maximise energy efficiency.

Innovative

First thermostat with a 2.4" full colour screen and integrated touch technology – patents pending.

Beautifully crafted fashion colour fascia with chrome edging are perfectly in tune with the modern home environment.

Interactive

Clear graphical display makes any adjustment quick and easy.

Choose the display style that suits you best – wide choice of screen themes.

Intelligent

Proportional Adaptive Function ensures the room does not over-heat, reducing wasted energy whilst also protecting the components inside. The Early Start algorithm learns how long it takes to warm the room and activates the heating so it's up to temperature at the right time.

Installation

The 3iE™ Energy-Monitor Thermostat should be installed by a certified electrician only, using Warmup's installation instructions.

Energy Efficient

Unrivalled accurate floor temperature control means no wasted energy - reducing the costs associated with over-heating.

Graphical energy monitor shows exactly how much energy is being used and when.

AEM™ prompts you to choose the best and most efficient temperature for each room, maximising energy efficiency.

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Features

- Active Energy Management™ prompts user to save up to 10% on utility bills
- Easy-to-use interface eliminates complicated manuals
- Unrivalled accurate floor temperature control of +/- 0.5°C, significantly reduces energy wastage
- 10 programmable periods per day for efficient energy usage
- Stylish range of colours to suit any decor
- BEAB Approved and CE marked meeting the highest safety standards for ultimate piece of mind
- 3yr Warranty with option to upgrade to Lifetime Warranty



Technical Specifications

3iE - TECHNICAL SPECIFICATIONS	
INPUT VOLTAGE	230V +/- 15% at 50Hz
MAX LOAD	16A (3680W)
DIMENSIONS	(H/W/D): 90 x 113 x 19mm (from wall)
SENSORS	AIR & FLOOR (AMBIENT)
SENSOR TYPE	NTC10K 3m LONG (CAN BE EXTENDED TO 50m)
IP RATING	IP20/(IP 32 WITH OPTIONAL GASKET)
INSTALLATION DEPTH	35mm BACK BOX
DISPLAY SIZE	2.4" FULL COLOUR
COMPATIBILITY	IDEAL FOR ELECTRIC & HYDRONIC UNDERFLOOR HEATING
Er-P CLASS	IV



Tempo™ Digital Thermostat



Overview

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.

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.

The Early Start algorithm learns how long it takes to warm the room and activates the heating so it's up to temperature at the right time.

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Features

- Stylish and contemporary design
- Clear screen displaying program details
- Proportional Adaptive Learning
- Easy control with dial and sliders
- Available in Porcelain White and Piano Black
- BEAB Approved and CE marked meeting the highest safety standards for ultimate piece of mind
- 3yr Warranty with option to upgrade to Lifetime Warranty



Technical Specifications

TEMPO - TECHNICAL SPECIFICATIONS	
INPUT VOLTAGE	230V +/- 15% at 50Hz
MAX LOAD	16A (3680W)
DIMENSIONS	(H/W/D): 90 x 113 x 23mm (from wall)
BATTERY BACKUP	3 MONTHS (CR2032 BATTERY PROVIDED)
SENSORS	AIR & FLOOR
SENSOR TYPE	NTC10K 3m LONG (CAN BE EXTENDED TO 50m)
IP RATING	IP20
INSTALLATION DEPTH	35mm BACK BOX
DISPLAY SIZE	45 X 50mm
COMPATIBILITY	IDEAL FOR ELECTRIC & HYDRONIC UNDERFLOOR HEATING
Er-P CLASS	IV

