

A woman wearing a white towel is standing in a bathroom, looking towards a white bathtub. The background is a tiled wall with a window. The scene is brightly lit, suggesting a warm environment.


Warmup

Heating for the whole house with
America's fastest-growing
Floor Heating System



Heat
10 sq ft
of flooring
for less
than a
penny
per
hour!

See pages 7 & 31 for details!



Warm your home as
naturally as the sun warms
the earth with Warmup[®]

"I recently remodeled my master bath and installed Warmup under the tile floor. Installation was easy and the end result is awesome. It is incredibly comfortable and a delight during the cold winter months."

M Parrish, Illinois

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Can I have Underfloor Heating?

At Warmup® one of the most common questions asked by customers is whether a certain type of floor is suitable for Underfloor Heating.

The answer is that there is a product to suit almost any type of floor. Use the table below to find out which product will best suit your floor type, and contact us at 1-888-927-6333 with any other questions.

WARMUP PRODUCTS	Mat 120V	Mat 240V	Loose Wire 120V	Loose Wire 240V	Carbon 120V	Carbon 240V
Page number	12	14	16	18	20	20
FLOORING TYPE						
Tile & Stone	✓	✓	✓	✓		
Hardwood	✓	✓	✓	✓		
Carpet	✓	✓	✓	✓		
Laminate	✓	✓	✓	✓	✓	✓
Vinyl	✓	✓	✓	✓		

Radiant heating versus conventional radiator heating

To understand the principle of radiant heat, imagine that you are standing outside on a cold, clear day. The ground below you is frozen, however when the sun hits your face you feel warm, despite the low air temperature.

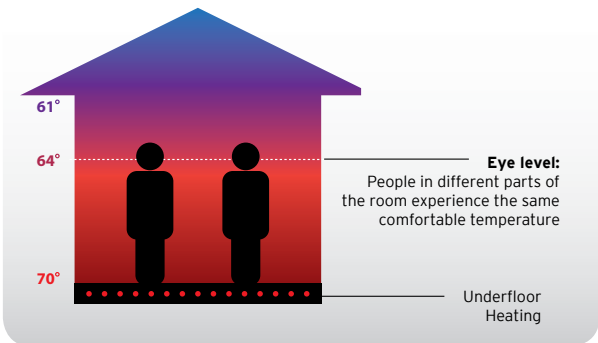
Why? Because radiant heat from the sun heats objects, like you, before it heats the air around you. So you can be warm while the air around you remains cool and fresh.

Underfloor heating - tested and proven over 2,000 years

The idea of using radiant heat to gently warm a large floor surface at a low temperature isn't new. In fact, it was mastered over 2,000 years ago by the Romans, for use in their public baths and large private houses.

While the technology has changed over the years, the concept is as sound as it ever was; heating a large area at a low temperature (70-77° F / 21-25° C) produces the most comfortable and efficient form of heating possible.

Warmup® Radiant Floor Heating



"It is damp and dreary outside this morning. I poured a cup of coffee and strolled into the den. In the den my bare feet were greeted by a warm tile floor. What a thrilling sensual sensation radiating from my feet through my whole body. Everyone needs heated tiles."

J Dancses, San Jose

Conventional radiator heating - inconvenient and wasteful

Look through any design magazine and you will notice that pictures of quality bathrooms, kitchens and lounges never show radiators.

We believe that radiators are inefficient, expensive to maintain and take up valuable wall space; interior designers know this and avoid them whenever possible.

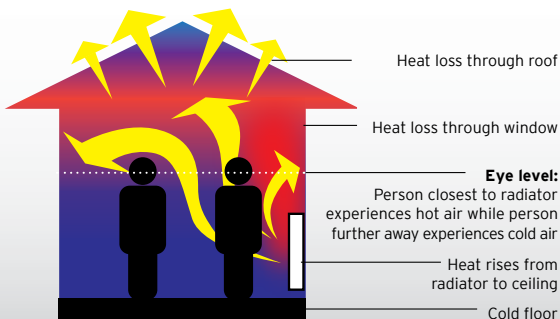
Despite their name, radiators primarily use a form of heating called convection heating. They heat a room by intensely heating the air near them, relying on that hot air to move to the top of the room, before cooling and falling back to a height where it can be felt.

Not only does this result in a stuffy, uncomfortable atmosphere, it also promotes heat loss through windows, walls, ceilings and roofs.

The result is wasted energy, and wasted money.

So forget radiators - install Warmup[®] now and experience the difference.

Typical Central Heating



The cost of running a Warmup® Heating System

Many people assume that running a whole-house electrical heating system will be costlier than their gas boiler system, simply because gas is currently cheaper than electricity. This, however, is just not the case...

Soaring fuel prices make electric heating cheaper than gas

According to the Energy Information Administration, since 2002, gas prices have risen by as much as 65%, while electricity prices only increased by 23% in the same period.

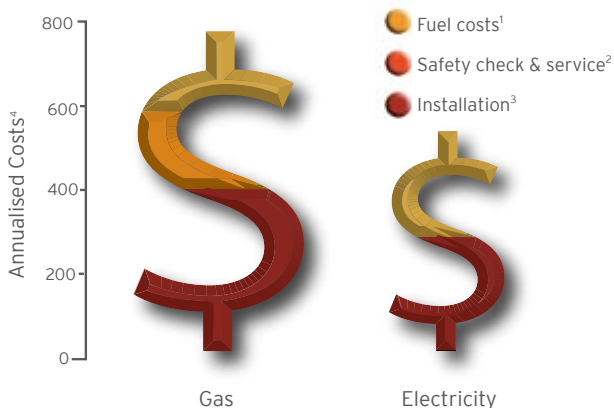
Unlike gas, electricity is almost 100% efficient at the point of use, hence, gas users will soon be paying much more and receiving much less.

Fuel Costs versus Ownership Costs

The typical lifespan of a gas boiler system is 10 years, according to industry estimates.

Our radiant floor heaters have no moving parts to wear-out and comes with a 30-Year Warranty*. When maintenance costs are added to the equation, the annual running costs of a radiant floor system look remarkably attractive.

A WARMUP system for a typical US bathroom uses less power per hour than two 100 watt light bulbs



*Sources and Assumptions: 1. Fuel costs (heating and hot water) based on Dept. of Energy figures. 2. Oil and Gas contracted service prices and maintenance costs from the ABMA. 3. Cost of 6 radiators with Gas Boiler versus Cost of installing Warmup® Underfloor Heating for 60 sq ft. 4. Lifetimes used are industry averages - 10 years for gas boiler / 15 years for underfloor heating. Note: Warmup® systems are tested for 60 years using accelerated testing procedures

Better Control of Fuel Costs - Zoning Your House

Adding a zone to a house that uses electric heating is as simple as adding a thermostat. Gas systems tend to run all the rooms of your house at once, whether you are using them or not. Electric systems, however, can be set to heat an individual room where and when you need it (a bathroom for an hour and a half in the morning for example). By tailoring your system usage according to your lifestyle, you can enjoy substantial savings.



Morning

Unheated room
59°F

Heated room
70°F

Heated room
64°F



Evening



Heat 10 sq ft
of flooring
for less than
a penny per hour!*

Annual cost of using a Warmup® Underfloor Heating System as sole-source heating in different rooms in your home:

ROOM TYPE	HEATED AREA	RUNNING TIME		WINTER COST*
		AM	PM	
BATHROOM	40 sq ft	2 hrs	2 hrs	\$20.74
KITCHEN	100 sq ft	1 hr	1 hr	\$28.74
FAMILY ROOM	250 sq ft	0 hrs	3 hrs	\$93.00

*ASSUMPTIONS: (DEPT. OF ENERGY AVG. OF 9¢/kWh) - SYSTEM ON 6 MONTHS (183 DAYS) PER WINTER. SYSTEM INSTALLED ON 3/8" (10mm) WARMUP INSULATION BOARD. **AVERAGE RUNNING COST AFTER INITIAL HEAT-UP PERIOD. FOR MORE DETAILS ON RUNNING COSTS, SEE PAGE 31.

Warmup R & D: Delivering Customer-Driven Innovation

By listening to our customers and finding answers to their questions, our R & D department is a key reason we are the best-selling electric floor heating company in the US and one of the fastest-growing in the world, with operations in 13 countries.

Warmup® Test Results

To answer your questions on heat-up times, running costs and best operating procedures, Warmup has just completed a series of extensive tests using International EN442-2 Standards. This information allows us to tell you exactly how our products will perform in a given situation, letting you choose the product and installation method that is right for you.

Warmup is the only manufacturer with this information, and the only company that can answer your questions with 100% accuracy.

NO Detectable EMF

Warmup's unique dual-core wire cancels out EMF (electromagnetic field), meets the highest standards and is certified by KEMA Quality to be 100 times lower than the Government's Recommended Safety Target for EMF output, giving you total peace of mind.

Choice of 120 Volt and 240 Volt Systems

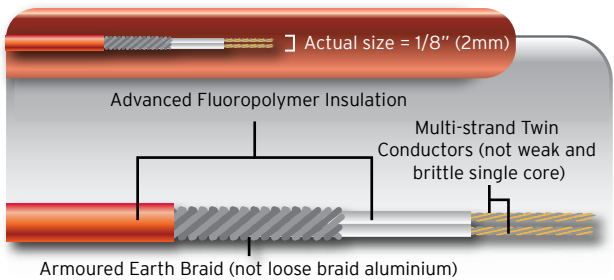
Warmup has an extensive range of heater sizes in 120 volt or 240 volt systems to suit your floor area. When the floor area to be heated exceeds 119 sq ft, we advise using a 240V Warmup System because it allows you to cover twice the floor area on just one thermostat, reducing the need for relays. You also get a higher wattage output for only half the amperage. For jobs exceeding 239 sq ft, contact Warmup at 1-888-927-6333.

Product development

Warmup constantly updates and adds to its product range to deliver the absolute best products on the market.

The 1/8" (2mm) thin UL-Listed Warmup® Underfloor Heating element is the thinnest and toughest in the industry. Our exclusive wire is comprised of a twin-core, multi-strand heating wire, protected by a tough earth braid, integrated into 2 layers of advanced fluoropolymer insulation. It is simply the best wire money can buy.

Our award-winning Carbon Heater panels for laminate and engineered wood floors, are ultra thin with pre-spaced 1" parallel carbon strips which distribute heat safely and evenly, so there is no warping or cold spots (see page 20). Panels come in 12" and 36" widths for maximum floor coverage.



Safety is paramount

With the help of independent testing bodies like UL, KEMA, ASTA BEAB, and VDE to name but a few, we can be confident that our products will provide you with safe and efficient heating for years of warmth.

Warmup® products are covered by the following marks:



Why Warmup is the fastest-growing floor heating company in the US

1. **Affordable warmth and comfort.** For as little as \$200, you can install a Warmup® system, bringing warmth to your floor and your house - for life. It's incredible value!
2. **We have the most flexible range.** Whatever your floor surface (wood, carpet, vinyl, tile or stone) or subfloor, Warmup® has a heater for you. We also supply insulation boards for efficient and economical heating.
3. **Customer is King.** This is our mantra, both in the US and around the world. Nobody will provide you with better service, before, during or after installation.
4. **Rigorous Testing for Accurate Running Costs.** Warmup is the only company that has tested its heaters, using recognized International Standard methods, to measure and determine accurately what it costs to run its systems, giving you predictable running costs.
5. **Thin, tough wire that lasts.** Our wire is the easiest to install and the toughest and thinnest in the industry. It's durable and won't raise your floor level.
6. **Transferable Warranty for a 30-Y**
Your floor heater is guaranteed for a full 30 years and in addition, we offer a one-time homeowner transfer for added resale value.
7. **SafetyNet™ Installation Guarantee.** Call us before you lay your flooring, and we will replace your heater **free of charge** if the installation process goes wrong.*
Only Warmup offers this guarantee.

*Warmup Installation Manual instructions must be followed.



- 8. Energy Efficient thermostat.** Our Energy-Star Rated thermostat is easy to program and lets you control the exact temperature you want, when you need it.
- 9. Free Quote and Layout Service.** Let our experienced team provide you with a FREE quote and layout, supplied next business day to ensure you have the right products for your project.

“Thank you so much for the prompt reply to our questions concerning the operation of the thermostat ”

H.M. Paul,
New England

- 10. Full online and telephone support.** Our website, www.warmup.com, has full technical and video back up and support, including live online chat. You can also call 1-888-927-6333, 24 hours a day, 7 days a week, 365 days of the year to answer any questions.
- 11. More electrical approvals than our competition.** To guarantee the highest safety standards, our products carry internationally recognized safety marks including UL, KEMA, ASTA BEAB, SEMKO, VDE, GS, and more.
- 12. We're a US business with worldwide experience.** We can support a local company with global knowledge and experience.

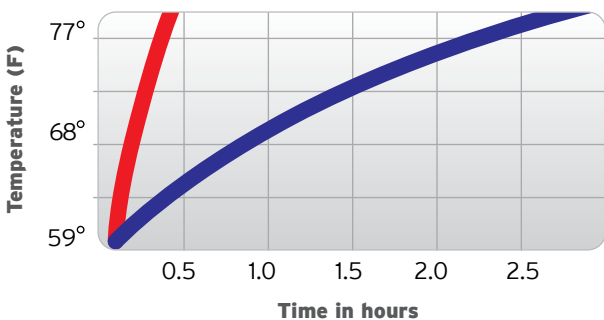


Exceptional Manufacturer of the Year
London Passport to Export Awards 2007

Warmup[®] Insulation Boards

Using Warmup[®] insulation boards with underfloor heating can lower your running costs by as much as 50% while reducing your carbon emissions. In fact, they can pay for themselves in as little as 2½ years*.

Savings are obtained by reducing heat-up times by 60% or more, giving you a more cost-effective and faster-reacting system.



With insulation board



Without insulation board

In testing, heat-up time was cut from over 2½ hours to just 25 minutes.

This data applies to Warmup[®] heating products only.

**LOOKING
FOR HEAT
UP TIMES?
See chart on
page 29**

* Assumes a system running twice a day for 2 hours on a concrete subfloor

** Source: Warmup tests performed to International EN442-2 standards.

Size Guide

No Minimum Order Required!

Each board measures: approximately 2' x 4' x 3/8"
(600mm x 1250mm x 10mm)

Area covered: 5 boards cover approximately 40 sq ft (3.75m²)

Features

- Warmup Insulation Board (WIB) is made of waterproof extruded polystyrene and has a fiberglass mesh embedded on each face, into a cement polymer adhesive.
- The boards are unaffected by the free/thaw cycle.
- Easy to cut with a knife, it installs to any surface and is ready for thinset and tiles.

Technical Data

- Board Dimensions: 2' x 4' x 3/8" (600mm x 1250mm x 10mm)
- Board Thicknesses: 3/8" (10mm)
- Able to withstand a load of 5,735 lbs per square foot
- R Values (ft² F/W): 2
- Water Absorption (Capillary): Nil
- Compressive strength: 42.67 lb/in²
- High soundproofing properties
- No primer required when used in conjunction with under floor heating

Warmup® 120 Volt Underfloor Heating Mats

(For areas over 119 sq ft, see Warmup's 240V range on page 14)

Warmup® mat systems are perfect for heating up a large or regular-shaped room.



Features

- Toughest and thinnest wire you can buy: 1/8" (2mm), multi-strand core, double-insulated using advanced fluoropolymers
- 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
- Flexible - no customizing is necessary



Technical Data

- Operating voltage 120V: 50/60Hz
- Width: 20" (508mm)
- Mat thickness: 1/8"
- Inner/Outer Insulation: Advanced Fluoropolymer
- Output rating: ± 14 W/sq ft
- Heater Maximum Temp: 131°F/55°C
- Single 9' (3m) long 'cold tail' connection lead
- Approvals: UL, KEMA, ASTA, BEAB, CE & GS
- 30-Year Warranty with Homeowner Transfer SafetyNet™ Installation Guarantee

**BEWARE
CHEAP IMITATIONS**

Low-quality thin
PVC insulated wires
have a much-reduced
lifespan



Size Guide

Thermostat sold separately

Area to be heated (sq ft)	Heaters	kW	Amps	Length
10	USDWM-140-120	0.14	1.2	6' 0"
15	USDWM-210-120	0.21	1.8	9' 3"
20	USDWM-280-120	0.28	2.3	12' 3"
25	USDWM-350-120	0.35	2.9	15' 3"
30	USDWM-420-120	0.42	3.5	18' 3"
60	USDWM-840-120	0.84	7.1	36' 6"

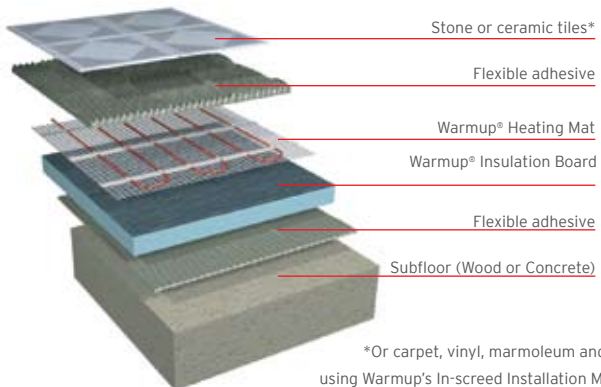
For areas over 60 sq ft, contact Warmup for assistance.

For areas over 119 sq ft, consider using Warmup® 240V mats (see pg 14)

ALL MAT WIDTHS ARE 20"



Application



Stone or ceramic tiles*

Flexible adhesive

Warmup® Heating Mat

Warmup® Insulation Board

Flexible adhesive

Subfloor (Wood or Concrete)

*Or carpet, vinyl, marmoleum and wood using Warmup's In-screed Installation Method.

Warmup® 240 Volt Underfloor Heating Mats

(Ideal for areas over 119 sq ft)

Warmup® mat systems are perfect for heating up a large or regular-shaped room.



Features

- Toughest and thinnest wire you can buy: 1/8" (2mm), multi-strand core, double-insulated using advanced fluoropolymers
- 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
- Flexible - no customizing is necessary



Technical Data

- Operating voltage 204V: 50/60Hz
- Width: approx. 20" (500mm)
- Mat thickness: 1/8"
- Inner/Outer Insulation: Advanced Fluoropolymer
- Output rating: ± 14 W/sq ft
- Heater Maximum Temp: 131°F/55°C
- Single 9' (3m) long 'cold tail' connection lead
- Approvals: UL, KEMA, ASTA, BEAB, CE & GS
- 30-Year Warranty with Homeowner Transfer SafetyNet™ Installation Guarantee

**BEWARE
CHEAP IMITATIONS**

Low-quality thin
PVC insulated wires
have a much-reduced
lifespan



Size Guide

Thermostat sold separately

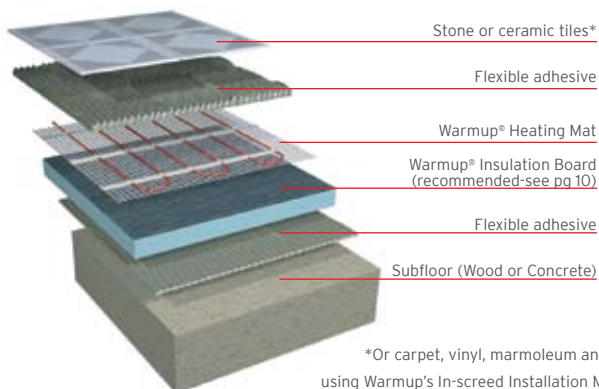
Area to be heated (sq ft)	Heaters	kW	Amps	Length
30	USDWM-430-240	0.42	1.8	18' 3"
40	USDWM-570-240	0.56	2.4	24' 3"
50	USDWM-720-240	0.72	3.0	30' 6"
60	USDWM-870-240	0.86	3.6	36' 6"
100	USDWM-1400-240	1.40	5.9	61' 0"
130	USDWM-1810-240	1.81	7.5	79' 3"

For areas over 130 sq ft, contact Warmup for assistance.

ALL MAT WIDTHS ARE 20"



Application



*Or carpet, vinyl, marmoleum and wood using Warmup's In-screed Installation Method.

Warmup® 120 Volt Loose Wire System

Warmup® loose wire heaters are flexible and ideal for quick and easy installation in irregular shaped areas.



Features

- Ultra-thin dual-core heating element won't raise floor levels
- Toughest and thinnest wire you can buy: 1/8" (2mm), multi-strand core, double-insulated using advanced fluoropolymers
- UL Listed heating element meets the highest safety standards
- Quick installation - Single connection lead for fewer steps

**BEWARE
CHEAP IMITATIONS**
Low-quality thin
PVC insulated wires
have a much-reduced
lifespan



Technical Data

- Operating voltage 120V: 50/60Hz
- Wire thickness: 1/8" (2mm)
- Average output rating: ±17 W/sq ft
- Heater Maximum Temp: 131°F/55°C
- Inner/Outer Insulation: Advanced Fluoropolymer
- Single 9' long 'cold tail' connection lead
- Approvals: UL, KEMA, ASTA BEAB Component, CE, and GS
- 30-Year Warranty & SafetyNet™ Installation Guarantee



SAFETY Net™
INSTALLATION
GUARANTEE

KEMA
KEUR

GS

BEAB

CE



Size Guide

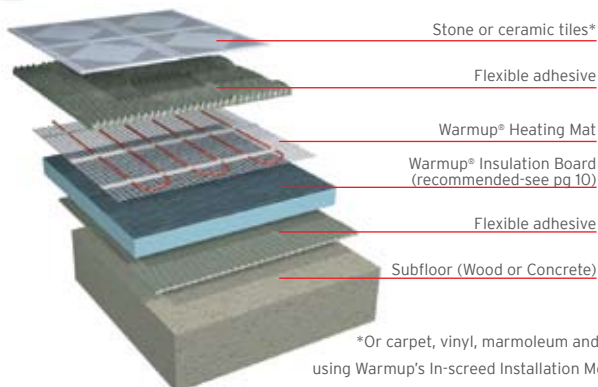
Thermostat sold separately

Area to be heated (sq ft)	Heaters	kW	Amps
15-24	USDW-360-120	0.36	3.0
25-34	USDW-480-120	0.48	4.0
35-44	USDW-720-120	0.72	6.0
45-59	USDW-950-120	0.95	8.0
60-74	USDW-720-120		
	+ 1x USDW-480-120	1.20	10.0
75-89	USDW-950-120		
	+ 1x USDW-480-120	1.43	12.0
90-104	USDW-950-120		
	+ 1x USDW-720-120	1.67	14.0
105-119	2x USDW-950-120	1.90	16.0
120-134	1x USDW-950-120 + 1x USDW-720-120 + 1x USDW-480-120	2.15	18.0
135-149	2x USDW-950-120		
	+ 1x USDW-480-120	2.38	20.0
150-164	2x USDW-950-120		
	+ 1x USDW-720-120	2.62	22.0
165-179	3x USDW-950-120	2.85	24.0
180-194	2x USDW-950-120 + 1x USDW-720-120 + 1x USDW-480-120	3.10	26.0
195-209	3x USDW-950-120		
	+ 1x USDW-480-120	3.33	28.0
210-224	3x USDW-950-120		
	+ 1x USDW-720-120	3.57	30.0
225-239	4x USDW-950-120	3.80	32.0

For areas over 239 sq ft, contact Warmup for assistance.



Application



*Or carpet, vinyl, marmoleum and wood using Warmup's In-screed Installation Method.

Warmup® 240 Volt Loose Wire System

(Ideal for areas over 119 sq ft)

Warmup® loose wire heaters are flexible and ideal for quick and easy installation in irregular shaped areas.



Features

- Ultra-thin dual-core heating element won't raise floor levels
- Toughest and thinnest wire you can buy: (1/8") 2mm, multistrand core, double-insulated using advanced fluoropolymers
- UL Listed heating element meets the highest safety standards
- Quick installation - Single connection lead for fewer steps

BEWARE CHEAP IMITATIONS
Low-quality thin PVC insulated wires have a much-reduced lifespan

Technical Data

- Operating voltage 240V: 50/60Hz
- Wire thickness: 1/8" (2mm)
- Average output rating: ± 17 W/sq ft
- Heater Maximum Temp: 131°F/55°C
- Inner/Outer Insulation: Advanced Fluoropolymer
- Single 9 ft long 'cold tail' connection lead
- Approvals: UL, KEMA, ASTA BEAB Component, CE, and GS
- 30-Year Warranty & SafetyNet™ Installation Guarantee





Size Guide

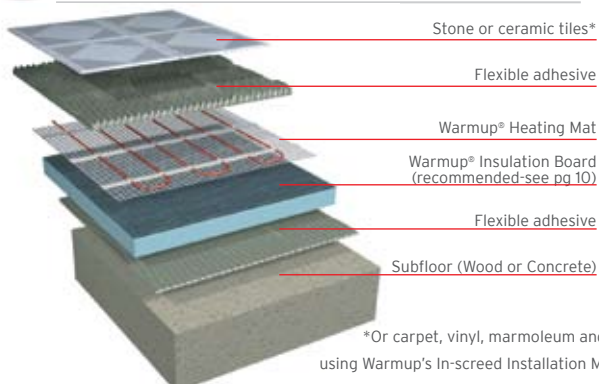
Thermostat sold separately

Area to be heated (sq ft)	Heaters	kW	Amps
15-24	USDW-330-240	0.33	1.4
25-34	USDW-420-240	0.42	1.8
35-44	USDW-650-240	0.65	2.7
45-59	USDW-900-240	0.90	3.8
60-74	USDW-650-240 + 1x USDW-420-240	1.07	4.5
75-89	USDW-900-240 + 1x USDW-420-240	1.32	5.6
90-104	USDW-900-240 + 1x USDW-650-240	1.55	6.5
105-119	2x USDW-900-240	1.80	7.6
120-134	1x USDW-900-240 + 1x USDW-650-240 + 1x USDW-420-240	1.97	8.3
135-149	2x USDW-900-240 + 1x USDW-420-240	2.22	9.4
150-164	2x USDW-900-240 + 1x USDW-650-240	2.45	10.3
165-179	3x USDW-900-240	2.70	11.4
180-194	2x USDW-900-240 + 1x USDW-650-240 + 1x USDW-420-240	2.87	12.1
195-209	3x USDW-900-240 + 1x USDW-420-240	3.12	13.2
210-224	3x USDW-900-240 + 1x USDW-650-240	3.35	14.1
225-239	4x USDW-900-240	3.60	15.2

For areas over 239 sq ft, contact Warmup for assistance.



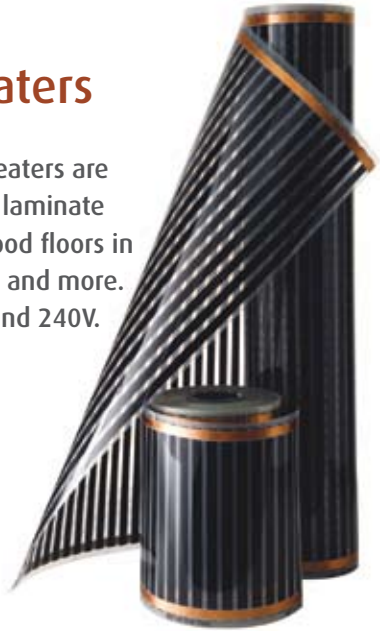
Application



*Or carpet, vinyl, marmoleum and wood using Warmup's In-screed Installation Method.

Warmup® Carbon Heaters

Warmup® carbon heaters are perfect for heating laminate and engineered wood floors in lounges, bedrooms and more. Available in 120V and 240V.



Features

- Flat carbon film won't raise floor levels
- Availability in 12" and 36" widths
- Custom lengths make it easy to combine heaters for maximum coverage
- Easy installation - Simply roll heater out
- One-inch parallel carbon strips for even heat distribution

Tech Spec

- Maximum Temperature: 82°F / 27.8°C
- Operating voltage: 120V and 240V
- Output rating: ± 12 W/sq ft
- Element widths: 12" and 36" (300mm & 900mm)
- Thickness: $< 1/16"$ (< 0.4 mm)
- Double insulated
- Connection leads: 9 feet long
- Cold tail conductor: tri-rated 0.75mm
- Approvals: C-UL
- 30-Year Warranty & SafetyNet™ Installation Guarantee





Size Guide

Thermostat sold separately

The UL-Listed panels are custom cut and delivered direct within 7-10 days.

120 Volt System

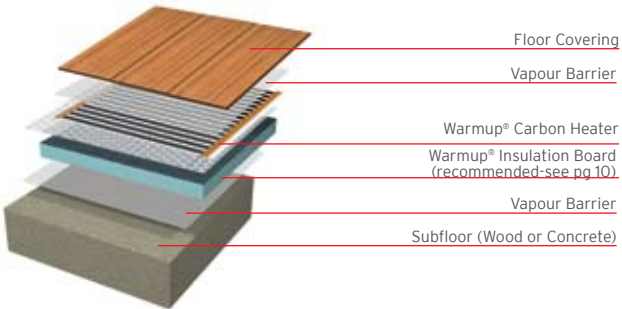
Heaters	Width	kW/sq ft	Amps/sq ft	Minimum order
USCL-12-120	12" (300mm)	0.012	0.1	5 sq ft
USCL-36-120	36" (900mm)	0.036	0.13	15 sq ft

240 Volt System

Heaters	Width	kW/sq ft	Amps/sq ft	Minimum order
USCL-12-240	12" (300mm)	0.012	0.05	5 sq ft
USCL-36-240	36" (900mm)	0.036	0.015	15 sq ft



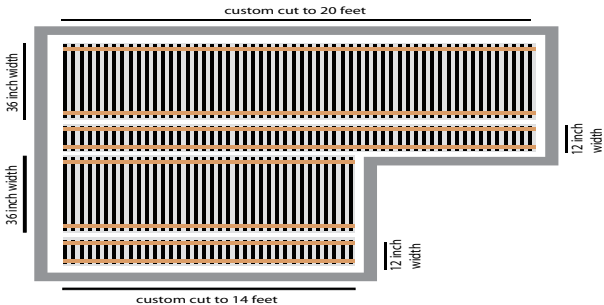
Application



Layout

The two widths of custom-cut panels are made to measure for your room and delivered direct to you.

Sample room layout:



UCCG - Programmable Thermostat

Simply the best thermostat in its class available from Warmup®

The Warmup® UCCG Energy-Star Rated digital thermostat is so easy to program that there is hardly any need to read the instruction booklet!
Use with both the 120V and 240V Systems.



Features

- 4 events, 7 days a week individual program setting
- Self-learning capabilities to enable the right temperature at the right time
- Temporary program override
- Battery-free backup up to 50 hours
- Child safety lock
- Energy consumption monitoring for energy efficiency
- Easy to read digital display
- Can be placed outside the heated area for asthetic purposes



Technical Data

- Supply voltage: 120V:50/60Hz and 240V:50/60Hz
- Output relay SPST or 1A inductive load: 16A
- IP Class: IP20
- Heater Maximum Temp: 104°F/40°C
- Size: 4.6" x 2.9" x 1.9"
- GFCI included with test light
- Clock function: 4-events program/7 days
- Monitors energy consumption
- Easy to read digital display shows exact floor temperature
- Floor probe sensor ensures precise floor temperature
- Battery-free backup up to 50 hours
- Approvals: C-UL
- "Energy Star" Rated
- 1-Year Warranty



Ask about our Master Relays for 120V and 240V Systems.

Warmup® Case Studies

Warmup's commitment to excellence in quality and service is known worldwide. Our reputation has led to our being specified in some of the most prestigious sites around the globe.

CONNAUGHT HOTEL, LONDON

The Connaught Hotel, one of London's elite 5-star hotels renowned for their exceptionally high standards of service and quality offerings, has installed Warmup® underfloor heating in 100 of their bathrooms as well as their winter terrace.

They chose the Warmup® matting system for its quick and extremely convenient installation.



RIBERA del MARINA, SPAIN

A brand new harbour-front development, Ribera del Marlin, saw the creation of 196 apartments fitted with luxurious finishes including Warmup® underfloor heating in all 444 bathrooms. These are now truly comfortable apartments, 365 days-a-year.



MCLAIN HOMES, USA

Warmup® radiant heating was selected as the heat of choice in upscale homes from McLain Homes in Louisiana, USA.



MGM GRAND, MACAU

Designers of the new MGM Grand Casino Resort in Macau chose Warmup® to be the finishing touch to the luxury bathrooms in their suites and villas.

To deliver the quality and reliability Warmup is known for, a new made-to-measure product was introduced, allowing on-site workers to quickly and easily install a heater with a minimum of preparation time.



To add the affordable warmth of Warmup® Underfloor Heating to your project, you can e-mail us at us@warmup.com or contact our Sales Office at 1-888-927-6333.

Quotation & Layout Service

Warmup® provides a FREE quotation and layout service to all our customers. Let our experienced team provide you with a free quotation and layout, supplied next business day, to ensure you have the right products and pricing for your project.

Simply fax us at 1-888-927-4721 or email all your plan layouts to us@warmup.com, complete with accurate dimensions and Warmup will do the rest! Visit www.warmup.com for more details.

Warmup® Contractor Training

Warmup® provides both onsite installation training and group training sessions. Let us show you how quick and easy it is to install Warmup with no need for special tools. It's FREE and only takes a



few hours to become a certified installer. Upgrade your skills and stand out from your competition.



Contractor Training

- On site installation training
- Group training sessions available
- Free Warmup® knee pads upon training completion
- Only takes a few hours to be certified
- Once certified, list your business on our Contractor Locator
- No special tools needed
- Dedicated 24 x 7 Technical Support to answer any questions

Our Service

We hope you'll never need them, but if you ever have a problem with your system, such as someone drilling through a wire, our team of engineers can come to the rescue. These trained and experienced professionals are on call 24/7/365, nationwide.

At Warmup, we manufacture our own heaters, not just import them, so we know how they work and we know how to fix them. In addition, you'll always have our market-leading warranties to rely on.

Our Warranties

Warmup® systems are the only heaters in the market accredited by all of these leading independent test institutions whose safety marks are recognised worldwide: UL, KEMA, ASTA BEAB, CE, SEMKO, NEMKO, GS and VDE.

Our confidence in our products allows you to enjoy two original and comprehensive backup policies.

Warmup® Underfloor Heating

peace of mind systems carry a **30-Y**

Our installation methods are straight-forward, but accidents do happen. For such instances, Warmup has in place a unique **SafetyNet™ Installation Guarantee**.



SAFETY Net™
INSTALLATION
GUARANTEE

If you have followed all recommended installation procedures in the installation manual, but unintentionally cut or damage your new heater before tiling, return the damaged heater to Warmup within 30 days with your original date sales receipt and we will replace any pre-tiled heater (maximum 1 heater) with another heater of the same make and model **FREE**!**

NO OTHER COMPANY OFFERS THIS GUARANTEE.



**For more details on our different warranties, please visit our website www.warmup.com

Frequently Asked Questions

I am new to electric underfloor heating, how do I work out what I need?

Please see the inside front cover to find a simple grid that will tell you which one of our products suits the floor surface that you are planning to have. Once you have decided on the product, go to the relevant section to see which size of heater you need. For more details including the simple to use Warmup® Online Planner go to www.warmup.com.

What should I look for when comparing electric floor heating companies?

A confidence in the quality of the heaters they make. For ease of use, long term reliability and robustness - compare wire types. In particular ask if the wire in question is 1/8" (2mm) thick and coated on the inside and outside with a hard material like ETFE or a soft one like PVC. Warmup's wire is industry-leading in all these areas and comes with a 30-Year Warranty. PVC based wires only come with a 10-year guarantee - for a good reason.

When do I use a 240V System?

We recommend using 240V when you are heating areas greater than 119 square feet because it reduces the need for relays and lowers your cost.

When would you use a loose heated wire instead of a heated wire mat?

For small or irregular areas like bathrooms a single heating wire is easier to install. With larger, more regular areas mats are often quicker to install.

Can Warmup® floor heating wires be cut to length if too long?

Under no circumstances can Warmup® heating elements be cut. This applies to both loose and mat systems.

Will electric underfloor heating also warm my room?

Warmup® systems will heat the room as well as warm the floor. This is accurately controlled by the Energy-Star Rated thermostat. The difference between the temperature of the floor and the radiant warm feeling in the room will depend on the use of Warmup Insulation Board and the insulation properties of the room.

How long does it take a Warmup® heating system to heat up?

Heat-up times will depend greatly on whether or not Warmup® Insulation Board (WIB) has been used. See the table below for a guide:

Heat-up times

Subfloor Construction	Heat-up Time
WBP Plywood	45 min
WBP Plywood with WIB	20 min
Insulated concrete (insulation under screed)	2-5 hours
Un-insulated Concrete	2-8 hours
Concrete with 3/8" (10mm) WIB	25 min

How controllable are the Warmup® Heating Systems?

The Energy-Star Rated thermostat provides totally precise floor temperature control and can be pre-programmed to suit all your requirements. See www.warmup.com for full functionality and operating instructions.

Who can install my Warmup® Heating System and what do they need?

Warmup® Systems are designed to be simple enough for a competent DIY'er to install. It is important that the connection of the heater to the mains system of the house is carried out by a qualified electrician. Some states may require a certified electrician to install the heater, please refer to local building codes.

Frequently Asked Questions (cont'd.)

Can I tile straight on top of the heating systems?

Yes. Unlike other less robust wire systems, we believe you should tile straight on top, saving the time and expense of screeding over the wires first.

How much extra height should I allow for my floor wire heating system and Warmup[®] Insulation Board?

You should allow 3/8" on the board thickness and 1/4" for wire and adhesive.

Where can I purchase the Warmup[®] System?

Visit our website at www.warmup.com and enter your 5 digit zip code in the local reseller function to find a local reseller. If no reseller appears, please contact Warmup at 1-888-927-6333.

What if I am planning to build abroad? Can I still install Warmup[®] heating?

Absolutely! We have offices all over the globe. Simply call us at 1-888-927-6333 or visit our website at www.warmup.com for a list of our foreign offices. All Warmup[®] offices can serve you in English.



Running Cost Information

How much will it cost to heat my room?

Running costs will always depend on the room size and the running time, as well as how well the room is insulated. To get an accurate idea of typical running costs, see the table and notes below:

Cost (in cents) of running a Warmup® Heating System as sole-source heating:

Hours	Heated area in square feet					
	2	3	5	10	15	25
1	0.1¢	0.2¢	0.3¢	0.7¢	1.1¢	1.9¢
2	0.2¢	0.4¢	0.7¢	1.4¢	2.1¢	3.5¢
3	0.4¢	0.6¢	1.0¢	2.0¢	3.0¢	5.1¢
4	0.5¢	0.8¢	1.3¢	2.6¢	4.0¢	6.7¢
5	0.6¢	0.9¢	1.6¢	3.3¢	4.9¢	8.2¢
6	0.7¢	1.1¢	1.9¢	3.9¢	5.9¢	9.8¢
7	0.9¢	1.3¢	2.2¢	4.5¢	6.8¢	11.3¢
8	1.0¢	1.5¢	2.6¢	5.2¢	7.8¢	13.0¢

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Save money by insulating properly and reducing heat-up times:

During the heat-up period, as the floor reaches its set temperature, the heater is running at full power. After this period, the heater needs to run at only half-power to maintain the set temperature. Simply put, the faster the floor heats-up, the cheaper the system is to run.

By properly insulating your floor with Warmup® Insulation Board, you can reduce the heat-up period significantly (see page 10), thereby reducing running costs by as much as 50%.

Accuracy of running costs:

Warmup tested its heaters, running under normal operating conditions, in a special room built to International EN442-2 specifications. The data collected from this extensive testing allows us to state with certainty, exactly what our operating costs are.

Please note that these tests were performed using Warmup® heaters and that this data is accurate for Warmup® heaters only.

Assumptions and variables:

To calculate accurate running costs, we have made the following reasonable assumptions:

1. Installation is in a house built to current building regulations
2. Heaters used: Mats at 14W/sq ft, under 3/8" ceramic tile on 3/8" Warmup® Insulation Board
3. The temperature difference between "on" and "standby" is 9°F (e.g. 59°F when on "standby", 68°F when "on")
4. The floor coverage is consistent to property size (e.g. 5 sq ft of heating for a 5 sq ft room)
5. The heat up time is included within the hours ON
6. The heating is controlled by Warmup® UCCG Thermostat
7. Price per kWh is 9¢ (average US electricity price at time of printing)

Cleaner Energy

Climate change and concerns over the security of fossil fuel supplies are forcing changes in regulations and accepted best practice. Builders and architects are now required to build and design homes that are highly insulated and require less energy.



Renewable energy derived from wind, water, sunlight and biosources will play a key role in meeting State mandates for renewable energy and by 2030, will account for 12.5% of the total US electricity generated.

Technologies such as electric radiant heat are ideally suited to take advantage of the shift to clean energy. It not only makes ecological sense, but economical sense to prepare for a new era of clean, renewable fuel by installing electric floor heating.



For more information on how to get ready for renewable energy, please visit our website at www.warmup.com.



FEEL THE WARMTH™

Don't forget to visit our website at warmup.com for a look at our installation videos, online planner and more!

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PORTUGAL		pt@warmup.com
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