

# Perfectlywarm™

# ROOM in a BOX

Peel and Stick Radiant Heat for Tile Floors



Perfectly Warm™ Tile Floor Heat is an ultra-thin, highly efficient radiant heat film integrated in an anti-fracture membrane.

One room or an entire house will benefit from radiant floor heat as a primary or supplemental heat source.

Perfectly Warm™ Tile Floor Heat low energy consumption mats are designed to deliver optimal thermal comfort through evenly distributed heat with no cold or hot spots.

## ADVANTAGES

### *Perfectly Warm™ vs. Other Electric Floor Systems*

- There is no easier radiant floor heating system to install. **Simple 3 step process!**
  1. Prepare a stable sub-floor.
  2. Place Perfectly Warm™ Tile Heat Mat, peel back release liner, and adhere to sub-floor.
  3. Attach tiles using traditional tile setting materials.\*
- Will warm the floor and depending on performed heat loss calculations, Perfectly Warm can warm the entire room when it is install in at least 80% of the room's floor.
- Provides Uniform Heat. Your floor is heated uniformly with no gaps and the radiant heat is dispersed evenly throughout room.
- Minimal thickness. Only .03" thick profile, about the same thickness of a credit card.
- Factory Attached Lead Wires. 15' lead wires are connected to one end of each mat for easy routing.
- Costs less. Even heat distribution allows the Perfectly Warm systems to cycle quicker resulting in less energy actually being used.

### *Perfectly Warm™ vs. Hydronic (water)*

- Maintenance free. No mechanical heaters to heat the water and pumps to move the water. No potential maintenance issues to worry about.

- Even heat distribution. Fluids near the end of the tubing cools compared to fluid at the beginning of the tubing.
- More efficient. Hydronic systems must heat the water, then move the fluid by pumping it through pipes.
- Does not raise the floor. Most hydronic systems raise the floor to make room for the tubing.
- Simpler, lower cost installation. No water heaters, pumps, manifolds tubing and other mechanical parts.

### *Perfectly Warm™ vs. Electric Baseboard*

- More efficient and more even heat distribution. Baseboard heating is located at the room perimeter and overheats the outside of the room. It does not warm the floor or your feet.
- Safer. Baseboard heating can be hot to the touch.
- Better appearance. Baseboard heaters are unsightly while Perfectly Warm™ Tile is not visible after installation.

### *Kit Includes:*

- Perfectly Warm Tile Film to cover corresponding room S.F. (roll)
- Amp Connectors (FC-1001)
- Kapton Disks (111)
- Black Wire (LEADS-14-THHN-B)
- White Wire (LEADS-14-THHN-W)
- Electrical and Insulating tape (FRD-TAPE-6)
- Crimp Tool (FCT- 104A)
- Thermostat (TST-ADG-4999 or TST-UDG-4999)
- Installation Manual



# Calorique



### ENVIRONMENTAL ATTRIBUTES

- LEED Compliant for: EA Prerequisite 2, EA Credit 1, MR Credit 2.1, MR Credit 2.2, MR Credit 5.1, EQ Prerequisite 1, EQ Credit 7.1, EQ Credit 3.1, EQ Credit 3.2, ID Credit 1
- 99.9% of energy is turned into heat with no parasitic loss.

### APPROVED FLOOR COVERING MATERIALS

- Thin Set:
- Marble floors
  - Stone floors
  - Ceramic Tile
  - Porcelain Tiles
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- Floating Floors:
- Floating tiles
  - Laminate
  - Engineered wood
  - Cork
  - Luxury Vinyl
  - Bamboo
  - Glue-down wood
  - Carpet

\* Refer to Floor Covering Manufacturer's specifications for compatibility of their product over any radiant heat before installation.

### LIMITATIONS

- This equipment shall be installed only by qualified personnel who are familiar with the materials and operation of the materials and the risks involved.
- Do not install Heat under vinyl, or nailed wood floors.
- Do not install Perfectly Warm™ Tile Floor Heat in walls.
- See Tile Floor Heat Installation Guidelines document for substrate requirements.
- Use 12 AWG ROMEX only as supply conductors.

### INSTALLATION

1. Prepare a stable sub-floor.
2. Position Perfectly Warm Tile floor mat, peel back release liner, and adhere to sub-floor.
3. Connect each mat to the next.
4. Install final floor covering

\*For complete installation details, refer to the complete installation manual

### TECHNICAL DATA

- UL 1683 via UL

### TECHNICAL SUPPORT

- Telephone: 800-922-9276
- Email: technical@perfectly-warm.com

**Calorique**  
800-922-9276

### PERFECTLY WARM™ TILE FLOOR HEAT PHYSICAL PROPERTIES

Thickness .....	< 0.03"
Watts Per Square Feet .....	12W
Peel Strength .....	20PSI
Weight .....	0.25 lb.sq.ft.
AFM Crack Isolation .....	3/8"

### PRODUCT WARRANTY

The Perfectly Warm™ Tile Floor Heat Mat is certified to the highest standards and comes with a **25 Year Limited Warranty.**



### Standard Sizes for 120V

Room Size	Product Model#	Description	Voltage	Watts	Amps
15 Sq.Ft.	RIBT18-144W120V	PW Tile Kit for a 15 Sq.Ft. Room	120V	144	1.2
25 Sq.Ft.	RIBT18-240W120V	PW Tile Kit for a 25 Sq.Ft. Room	120V	240	2
35 Sq.Ft.	RIBT18-336W120V	PW Tile Kit for a 35 Sq.Ft. Room	120V	336	2.8
50 Sq.Ft.	RIBT18-480W120V	PW Tile Kit for a 50 Sq.Ft. Room	120V	480	4
65 Sq.Ft.	RIBT18-624W120V	PW Tile Kit for a 65 Sq.Ft. Room	120V	624	5.2
75 Sq.Ft.	RIBT18-720W120V	PW Tile Kit for a 75 Sq.Ft. Room	120V	720	6
85 Sq.Ft.	RIBT18-816W120V	PW Tile Kit for a 85 Sq.Ft. Room	120V	816	6.8
100 Sq.Ft.	RIBT18-960W120V	PW Tile Kit for a 100 Sq.Ft. Room	120V	960	8
125 Sq.Ft.	RIBT18-1200W120V	PW Tile Kit for a 125 Sq.Ft. Room	120V	1200	10
150 Sq.Ft.	RIBT18-1440W120V	PW Tile Kit for a 150 Sq.Ft. Room	120V	1440	12

### Standard Sizes for 240V

Room Size	Product Model#	Description	Voltage	Watts	Amps
100 Sq.Ft.	RIBT18-960W240V	PW Tile Kit for a 100 Sq.Ft. Room	240V	960	4
120 Sq.Ft.	RIBT18-1152W240V	PW Tile Kit for a 120 Sq.Ft. Room	240V	1152	4.8
140 Sq.Ft.	RIBT18-1344W240V	PW Tile Kit for a 140 Sq.Ft. Room	240V	1344	5.6
160 Sq.Ft.	RIBT18-1526W240V	PW Tile Kit for a 160 Sq.Ft. Room	240V	1536	6.4
180 Sq.Ft.	RIBT18-1728W240V	PW Tile Kit for a 180 Sq.Ft. Room	240V	1728	7.2
200 Sq.Ft.	RIBT18-1920W240V	PW Tile Kit for a 200 Sq.Ft. Room	240V	1920	8
220 Sq.Ft.	RIBT18-2112W240V	PW Tile Kit for a 220 Sq.Ft. Room	240V	2112	8.8
240 Sq.Ft.	RIBT18-2304W240V	PW Tile Kit for a 240 Sq.Ft. Room	240V	2304	9.6
260 Sq.Ft.	RIBT18-2496W240V	PW Tile Kit for a 260 Sq.Ft. Room	240V	2496	10.4
280 Sq.Ft.	RIBT18-2688W240V	PW Tile Kit for a 280 Sq.Ft. Room	240V	2688	11.2
300 Sq.Ft.	RIBT18-2880W240V	PW Tile Kit for a 300 Sq.Ft. Room	240V	2880	12

Other sizes and custom orders are available on request.