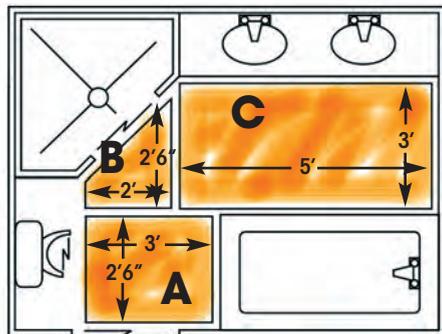


Let us show you how to calculate your walkable heated area square footage.



### Warm Tiles Cable Kit Room Layout Diagram

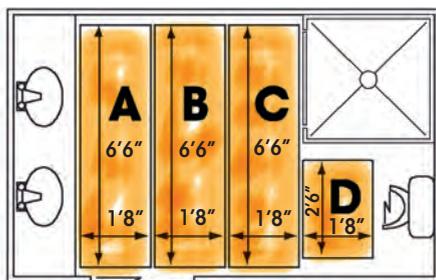


Colored shaded areas represent where you would install your Cable System.

**A** is 2'6" x 3' = 7.5 ft<sup>2</sup> (0.76 m x 0.91 m = 0.69 m<sup>2</sup>)  
**B** is (2'6" x 2') ÷ 2 = 2.5 ft<sup>2</sup> [(0.76 m x 0.61 m) ÷ 2 = 0.23 m<sup>2</sup>]  
**C** is 3' x 5' = 15 ft<sup>2</sup> (0.91 m x 1.52 m = 1.39 m<sup>2</sup>)  
**A + B + C** = ft<sup>2</sup> (m<sup>2</sup>) total walkable heated area  
 7.5 ft<sup>2</sup> + 2.5 ft<sup>2</sup> + 15 ft<sup>2</sup> = **25 ft<sup>2</sup>** (0.69 m<sup>2</sup> + 0.23 m<sup>2</sup> + 1.39 m<sup>2</sup> = **2.31 m<sup>2</sup>**)  
 total heated area

Choose the product that most closely matches your heated area square footage from the Product Selection Chart for Warm Tiles Cable Kits. In this example, you would choose 120V DFT 1022 Cable Kit for Standard Spacing or DFT 1030 for Alternate Spacing.

### Warm Tiles Mat Kit Room Layout Diagram



Colored shaded area represents where you would install your Mat System.

**A** is 1'8" x 6'6" = 10.86 ft<sup>2</sup> (0.51 m x 1.98 m = 1.01 m<sup>2</sup>)  
**B** is 1'8" x 6'6" = 10.86 ft<sup>2</sup> (0.51 m x 1.98 m = 1.01 m<sup>2</sup>)  
**C** is 1'8" x 6'6" = 10.86 ft<sup>2</sup> (0.51 m x 1.98 m = 1.01 m<sup>2</sup>)  
**D** is 1'8" x 2'6" = 4.18 ft<sup>2</sup> (0.51 m x 0.76 m = 0.39 m<sup>2</sup>)  
**A + B + C + D** = ft<sup>2</sup> (m<sup>2</sup>) total walkable heated area  
 10.86 ft<sup>2</sup> + 10.86 ft<sup>2</sup> + 10.86 ft<sup>2</sup> + 4.18 ft<sup>2</sup> = **36.78 ft<sup>2</sup>**  
 (1.01 m<sup>2</sup> + 1.01 m<sup>2</sup> + 1.01 m<sup>2</sup> + 0.39 m<sup>2</sup> = **3.42 m<sup>2</sup>**) total heated area  
 Choose the product that most closely matches your heated area square footage from the Product Selection Chart for Warm Tiles Mat Kits. In this example, you would choose SAM 1033 Mat Kit.

For additional layouts or help in choosing the right product for your project, contact technical services at 800-537-4732 or go to [www.warmtiles.com](http://www.warmtiles.com)

# Warm Tiles

### Industry Leader

Easy Heat® Warm Tiles® Electric Floor Warming Systems have been providing economical, energy efficient warmth under tile, stone and wood\* floors for over 40 years. The Warm Tiles system installs quickly in both new construction and remodeling projects of any size or shape. Easy Heat has the strongest Warranty in the industry and they are backed by the Good Housekeeping Seal, so you have the assurance of a professional quality floor warming system that's right for you.

### Easy and Quick to Install

An average size bathroom of 30 ft<sup>2</sup> (2.78 m<sup>2</sup>) should take about 2 hours to install the floor warming system. Your electrician could take up to 4 hours to install the electrical box, thermostat and power supply, due to availability of access to the electrical panel. Depending on your final floor finish, you could be walking on warmth in just a few days.

### Energy and Cost Efficient

Your Warm Tiles thermostat will regulate only enough electricity to heat your floor to the desired temperature. When the floor reaches your preset temperature, the electricity will cycle off. Since the electricity is generating warmth about one-third of the time, the cost savings are significant. On average, the operating cost is 1¢ per heated square foot per day, regardless of the size of your installation.

For more information call:  
**US (800) 523-7636**  
**Canada (800) 794-3766**  
 or log on to: [www.warmtiles.com](http://www.warmtiles.com)



\*For use under engineered, floating wood floors only. Not approved for nail down installations.

Warm Tiles written instructions and warranty shall supercede information in this document. For the latest information, go to [www.warmtiles.com](http://www.warmtiles.com).

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 40102-001 Rev. 5

Feel the Difference...

### Choose the system that's right for you!

#### How do I know how much floor warming to buy?

There is no need to install floor warming systems under base cabinets or plumbing fixtures, within 2"– 8" (5.08–20.32 cm) of baseboards and 6" (15.24 cm) from the toilet flange.

- Accurately measure the length and width of the walkable heated areas of your room in sections, as shown on the Warm Tiles® room layout diagrams.
- Add the walkable heated areas together to determine the total square footage of floor warming that will be needed.
- Choose the correct system for your application by square footage from the Warm Tiles Product Selection Charts.

#### How do I know which floor warming system to buy?

Warm Tiles Electric Floor Warming Systems come in two distinct models to suit your application and your budget.

- The Warm Tiles Cable system provides unlimited design configurations for even the most difficult shaped room. The Warm Tiles cable allows you to install full floor warming coverage by lacing the cable on the floor wherever you require a heated area. Two different spacing options enable these extremely flexible cables to be installed virtually anywhere. In a typical room above a heated area, simply space the cable 3" (7.61 cm) apart. For a room above an unheated area, on concrete slabs or a high heat loss room such as a solarium, alternate the spacing from 3" (7.61 cm) apart, then 1.5" (3.80 cm) apart, then 3" (7.61 cm) apart and so on. Simply snap the cable into the strapping included in your Cable Installation Kit and follow the Cable installation instructions.

- Warm Tiles "SAM" Mat System provides a quick and easy pre-fabricated installation that saves you time and labor cost. The self-adhesive mesh allows you to place the mat on the substrate and have it stay put while you embed the mat in thin-set or self-leveling underlayment.

Our warmth makes all the difference.

# Warm Tiles

Electric Floor Warming Systems for Tile, Stone, Laminates and Engineered Wood\* Floors

# Warm Tiles

# Remove the Chill with a Gentle Warmth...



## Warm Tiles® Floor Warming Thermostats

Warm Tiles Thermostats provide comfort, control and years of trouble free service. Our Floor Sensor is embedded in the mortar just below your tiles, which monitors the actual floor temperature to provide you with accurate comfort levels. Each model features comfort level programming options as well as a simple off-position selector switch. You may also choose the pre-programmed set-back mode to reduce energy usage by over 50%. Optional decorator doors are available for all Warm Tile Thermostats.



## Product Selection Chart for Warm Tiles Thermostat Kits

All thermostats have built-in ground fault protection\*\*, floor sensor, installation accessories and complete instructions.

Model	Description	Voltage	Amps*
ET-1	Non-programmable	120V	16
FTS-1	Programmable for 7 or 5/2 days	120V	16
ET-2	Non-programmable	240V	16
FTS-2	Programmable for 7 or 5/2 days	240V	16

\* **CAUTION:** Kit combinations that exceed 10 amps should be connected by a qualified electrician.

\*\*Per U.S. National Electrical Code - Installation in a bathroom requires that this device be installed on a circuit protected by a separate Ground Fault Circuit Interrupter (GFCI).

All Thermostats sold separately.

Even in warm climates, tile and stone can feel uncomfortably cold.

Warm Tiles® offers the ultimate solution by removing the chill factor with a gentle, continuous warmth. Warm Tiles Electric Floor Warming Systems may be installed directly over plywood, concrete or cement backerboard substrates. The floor warming is placed in the mortar below the tiles, simplifying the installation.

## Product Selection Charts for Self Adhesive Mat Kits

Select Floor Warming kit voltage, 120V or 240V, to match your power supply. For areas larger than about 70 ft<sup>2</sup> (6.50 m<sup>2</sup>), the 240V kits may be more economical. All mats are 20" (0.51 m) wide. Multiple Mats may be used to increase heated area ft<sup>2</sup> (m<sup>2</sup>) of installation. All measurements are per kit.

### Warm Tiles 120 V Mat Kits

Model No.	Mat Length FT(m)	Heated Area FT <sup>2</sup> (m <sup>2</sup> )	Amps*
SAM 1010	6.67 (2.03)	12-15 (1.12 - 1.39)	1.3
SAM 1013	8.67 (2.64)	16-19 (1.49 - 1.77)	1.7
SAM 1017	11.33 (3.45)	20-22 (1.86 - 2.04)	2.2
SAM 1020	13.33 (4.06)	23-28 (2.14 - 2.60)	2.5
SAM 1025	16.67 (5.08)	29-36 (2.70 - 3.35)	3.1
SAM 1033	22.00 (6.70)	37-46 (3.44 - 4.28)	4.2
SAM 1042	28.00 (8.53)	47-54 (4.37 - 5.02)	5.3
SAM 1050	33.33 (10.15)	55-66 (5.11 - 6.13)	6.5
SAM 1062	41.33 (12.59)	67-80 (6.23 - 7.44)	8.1
SAM 1075	50.00 (15.24)	81-94 (7.53 - 8.74)	9.7
SAM 1087	58.00 (17.68)	95-106 (8.83 - 9.85)	11.5
SAM 1100	66.67 (20.32)	107-120 (9.95 - 11.15)	13.1

### Warm Tiles 240 V Mat Kits

Model No.	Mat Length FT(m)	Heated Area FT <sup>2</sup> (m <sup>2</sup> )	Amps*
SAM 2010	6.67 (2.03)	12-15 (1.12 - 1.39)	0.6
SAM 2013	8.67 (2.64)	16-19 (1.49 - 1.77)	0.8
SAM 2017	11.33 (3.45)	20-22 (1.86 - 2.04)	1.1
SAM 2020	13.33 (4.06)	23-28 (2.14 - 2.60)	1.3
SAM 2025	16.67 (5.08)	29-36 (2.70 - 3.35)	1.6
SAM 2033	22.00 (6.70)	37-46 (3.44 - 4.28)	2.1
SAM 2042	28.00 (8.53)	47-54 (4.37 - 5.02)	2.8
SAM 2050	33.33 (10.15)	55-66 (5.11 - 6.13)	3.1
SAM 2062	41.33 (12.59)	67-80 (6.23 - 7.44)	4.1
SAM 2075	50.00 (15.24)	81-94 (7.53 - 8.74)	4.8
SAM 2087	58.00 (17.68)	95-106 (8.83 - 9.85)	5.7
SAM 2100	66.67 (20.32)	107-120 (9.95 - 11.15)	6.5

\* **CAUTION:** Kit Combinations that exceed 10 Amps should be connected by a qualified electrician.

## Warm Tiles "SAM" Mat System



## Warm Tiles Cable System



The Warm Tiles® Floor Warming Kit Includes:  
Warm Tiles Floor Warming Cable • Strapping • Extra Clips  
Multi-lingual Installation Instructions • User's Guide • Warranty Details

Floor Warming Mat Kit Includes:  
Warm Tiles® Floor Warming Mat • User's Guide  
Multi-lingual Installation Instructions • Warranty Details

## Product Selection Chart for Cable Kits

Select Floor Warming kit voltage, 120V or 240V, to match your power supply. For areas larger than 70 ft<sup>2</sup> (6.50 m<sup>2</sup>), the 240V kits may be more economical. Use Standard 3" (7.61 cm) spacing for rooms above heated areas. Use Alternate 3", 1.5", 3" (7.61 cm, 3.80 cm, 7.61 cm) spacing for rooms above unheated areas, concrete slabs or high heat loss areas. All measurements are per kit.

### Warm Tiles 120V Cable Kits

Model No.	Heated Area Standard FT <sup>2</sup> (m <sup>2</sup> )	Heated Area Alternating FT <sup>2</sup> (m <sup>2</sup> )	Amps*
DFT 1011 BLUE	9-13 (0.84-1.21)	7-9 (0.65-0.84)	1.1
DFT 1016 RED	14-18 (1.30-1.67)	10-13 (0.93-1.21)	1.6
DFT 1022 GREEN	19-26 (1.77-2.42)	14-19 (1.30-1.77)	2.2
DFT 1030 YELLOW	27-34 (2.51-3.16)	20-26 (1.86-2.42)	3.0
DFT 1039 PURPLE	35-42 (3.25-3.90)	27-33 (2.51-3.07)	4.0
DFT 1048 ORANGE	43-54 (3.99-5.02)	34-39 (3.16-3.62)	5.1
DFT 1059 BROWN	55-65 (5.11-6.04)	40-48 (3.72-4.46)	6.4
DFT 1069 BEIGE	66-72 (6.13-6.69)	49-54 (4.55-5.02)	7.5
DFT 1079 WHITE	73-82 (6.78-7.62)	55-62 (5.11-5.76)	8.5
DFT 1088 PINK	83-92 (7.71-8.55)	63-69 (5.85-6.41)	8.8
DFT 1098 SILVER	93-102 (8.64-9.48)	70-76 (6.50-7.06)	9.6
DFT 1108 BLACK	103-113 (9.57-10.50)	77-85 (7.15-7.90)	10.7

### Warm Tiles 240V Cable Kits

Model No.	Heated Area Standard FT <sup>2</sup> (m <sup>2</sup> )	Heated Area Alternating FT <sup>2</sup> (m <sup>2</sup> )	Amps*
DFT 2021	18-25 (1.67-2.32)	13 - 19 (1.21-1.77)	1.1
DFT 2031	26-35 (2.42-3.25)	20 - 27 (1.86-2.51)	1.6
DFT 2053	48-55 (4.46-5.11)	35 - 44 (3.25-4.09)	2.6
DFT 2065	60-70 (5.57-6.50)	45 - 54 (4.18-5.02)	3.3
DFT 2078	71-83 (6.60-7.71)	55 - 63 (5.11-5.85)	4.0
DFT 2095	90-100 (8.36-9.29)	64 - 75 (5.95-6.97)	5.1
DFT 2118	110-130 (10.22-12.08)	84 - 94 (7.80-8.73)	6.3
DFT 2137	131-145 (12.17-13.47)	95 - 108 (8.83-10.03)	7.5
DFT 2157	146-165 (13.56-15.33)	109 - 125 (10.13-11.61)	8.4
DFT 2175	166-184 (15.42-17.09)	126 - 138 (11.71-12.82)	8.8
DFT 2195	185-204 (17.19-18.95)	139 - 153 (12.91-14.21)	9.6
DFT 2215	205-225 (19.50-20.90)	154 - 169 (14.31-15.70)	10.7

\* **CAUTION:** Kit combinations that exceed 10 amps should be connected by a qualified electrician.