

of warmth™

warmtiles®  
add a touch of warmth

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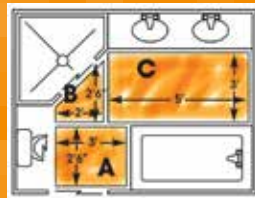
add a touch

## MEASUREMENT GUIDE.

### CALCULATE YOUR WALKABLE HEATED AREA'S SQUARE FOOTAGE.

#### WARM TILES™ CABLE KIT ROOM LAYOUT DIAGRAM

Shaded areas represent where you would install your warming cables.

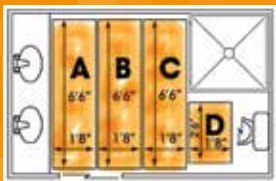


A is 2'6" x 3' = 7.5 ft<sup>2</sup>  
(0.76 m x 0.91 m = 0.69 m<sup>2</sup>)  
B is (2'6" x 2') + 2 = 2.5 ft<sup>2</sup>  
([0.76 m x 0.61 m] + 2 = 0.23 m<sup>2</sup>)  
C is 3' x 5' = 15 ft<sup>2</sup>  
(0.91 m x 1.52 m = 1.39 m<sup>2</sup>)  
A + B + C = ft<sup>2</sup> (m<sup>2</sup>) total walkable 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's square footage from the Electric Floor Warming Cable (DFT) Product Selection Chart. In this example, you would choose 120 Vac Model No. DFT 1022 for standard spacing or Model No. DFT 1030 for alternating spacing.

#### WARM TILES™ MAT KIT ROOM LAYOUT DIAGRAM

Shaded areas represent where you would install your mats.



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> = **36.76 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's square footage from the Electric Floor Warming Mat (SAM) Product Selection Chart. In this example, you would choose 120 Vac Model No. SAM 1033.

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).

## HOW DO WARM TILES™ DELIVER AFFORDABLE LUXURY?

### ENERGY AND COST EFFICIENT

Your Warm Tiles™ thermostat will regulate only enough electricity to heat your floor to the desired temperature, then cycle off. The average operating cost is just one cent per heated square foot per day, regardless of installation size.

### DEPENDABLE AND COMFORTABLE

Warm Tiles™ electric floor warming products provide dependable, and comfortable warmth under tile, stone, marble and laminate\* floors. The Warm Tiles™ system installs quickly in both new construction and remodeling projects.

### EASY AND QUICK TO INSTALL

Warm Tiles™ Electric Floor Warming Cable (DFT) is quickly and easily installed with included Warm Tiles strapping kits. An area of 25 ft<sup>2</sup> should take less than 1.5 hours to install. Our pre-made, self-adhesive Electric Floor Warming Mat (SAM) offers added convenience and reduces installation time even further. Your electrician should need no more than 3 hours to install the electrical box, thermostat and power supply. Depending on your floor finish, you could be walking on warmth in just a few days.

### LIMITED WARRANTY\*

Warm Tiles™ Electric Floor Warming Cable and Electric Floor Warming Mat are warranted for 15 years against defects in materials and workmanship.

For more information call:  
US (800) 537-4732 | Canada (800) 794-3766  
or visit [www.warmtiles.com](http://www.warmtiles.com)

\*For use under engineered, floating wood floors only. Not approved for nailed-down installations.  
† Warm Tiles™ written instructions and warranty shall supersede information in this document.  
For the latest information, go to [www.warmtiles.com](http://www.warmtiles.com).



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## Electric Floor Warming Systems

For Use Under  
Tile • Stone • Laminate • Marble •  
Engineered Wood\* Flooring



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

## WHY ARE WARM TILES™ SO SIMPLE?

**It's easy to buy just the right amount of material.** See the product selection charts in this brochure.

**It's easy to pick the right system.** Choose Warm Tiles™ Electric Floor Warming Cable (DFT) for more irregularly shaped spaces, or the self-adhesive Warm Tiles™ Electric Floor Warming Mat (SAM) for quick pre-fabricated installations into rectangular spaces.

**Installation is quick.** Installing your floor warming system adds a minimal amount of time to your overall flooring project.

**Warm Tiles™ are inexpensive to operate.** The average cost is just one cent per square foot of heated floor per day.

**Warm Tiles™ carry a limited warranty†.** It covers defects in material and workmanship of the cables and mats for 15 years from date of purchase.

## STEP UP TO LUXURY WITH WARM TILES™!

† See full warranty details included with product.



## EVEN IN WARM CLIMATES, TILE, STONE, MARBLE AND LAMINATE FLOORS CAN

**FEEL UNCOMFORTABLY COLD.** Warm Tiles™ floor warming products remove the chill with a gentle, continuous warmth. Warm Tiles may be installed directly over plywood, concrete or cement backerboard substrates. The warming element rests in the mortar below your floor surface. Simple to measure, quick to install and easy to control, Warm Tiles™ deliver affordable luxury.

### ELECTRIC FLOOR WARMING CABLE (DFT) PRODUCT SELECTION CHART

First, select the voltage, either 120 Vac or 240 Vac, to match your power supply. For areas larger than 70 ft<sup>2</sup> (6.50 m<sup>2</sup>), the 240 Vac versions may be more economical. Use standard 3" (7.61 cm) cable spacing for rooms above heated areas. Use alternating 3", 1.5", 3" (7.61 cm, 3.80 cm, 7.61 cm) cable spacing for rooms above unheated areas, concrete slabs or high heat loss areas. All measurements are per carton.

Warm Tiles™ 120 Vac Cable Kits			
Model Number	Standard Heating Area ft <sup>2</sup> (m <sup>2</sup> )	Alternate Heating Area 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)	7.4
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™ 240 Vac Cable Kits			
Model Number	Standard Heating Area ft <sup>2</sup> (m <sup>2</sup> )	Alternate Heating Area 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)	7.4
DFT 2157	146-165 (13.56-15.33)	109-125 (10.13-11.61)	8.5
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 (19.5-20.90)	154-169 (14.31-15.70)	10.7

### ELECTRIC FLOOR WARMING MAT (SAM) PRODUCT SELECTION CHART

First, select the voltage, either 120 Vac or 240 Vac, to match your power supply. For areas larger than 70 ft<sup>2</sup> (6.50 m<sup>2</sup>), the 240 Vac versions 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 carton.

Warm Tiles™ 120 Vac Mat Kits			
Model Number	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 Vac Mat Kits			
Model Number	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



### WARM TILES™ FLOOR WARMING THERMOSTATS (FG AND FGS)

Warm Tiles™ thermostats provide comfort, control and years of trouble-free service. Our temperature sensor, embedded in the mortar just below your tiles, monitors the actual floor temperature to provide you with accurate comfort levels. Each model features comfort level programming options as well as a simple on/off position selector switch. You may also choose the pre-programmed set-back mode to reduce energy usage by over 50%. All thermostats have built-in ground fault protection (GFCI), and come with a temperature sensor, installation accessories and complete instructions. **All thermostats are sold separately.**



### WARM TILES™ THERMOSTATS

Thermostats			
Model Number	Description	Voltage	Amps*
FG	Non-programmable	120/240 Vac	15
FGS	Programmable for 7 or 5/2 days	120/240 Vac	15

### WARM TILES™ ACCESSORIES

Accessories	
Model Number	Description
RK1	Relay Kit, 120 Vac*
RK2	Relay Kit, 240 Vac*
CKT	Concrete Kit Tape, 25 ft
DT1	Detecto Electric Fault Indicator
10739001	Replacement temperature sensor

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

### WARM TILES™ ELECTRIC FLOOR WARMING CABLE (DFT)

**Includes:** Warm Tiles™ Electric Floor Warming Cable ▪ Strapping ▪ Extra Clips ▪ Multi-Lingual Installation Instructions ▪ User's Guide ▪ Warranty Details



### WARM TILES™ ELECTRIC FLOOR WARMING MAT (SAM)

**Includes:** Warm Tiles™ Electric Floor Warming Mat ▪ User's Guide ▪ Multi-Lingual Installation Instructions ▪ Warranty Details



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