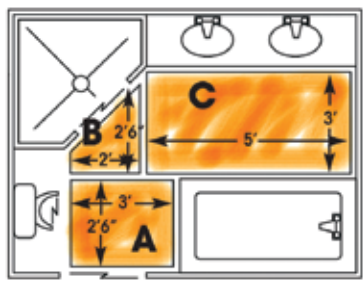# MEASUREMENT GUIDE.
CALCULATE YOUR WALKABLE HEATED AREA SQUARE FOOTAGE.

WARM TILES® CABLE KIT ROOM LAYOUT DIAGRAM

Colored areas represent where you would install your Cable System.

A is 2'6" x 3' = 7.5 ft² (0.76 m x 0.91 m = 0.69 m²)
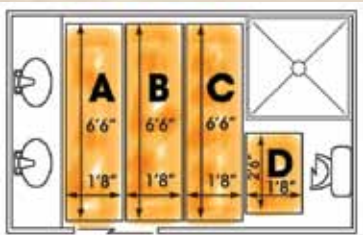**B** is (2'6" x 2') ÷ 2 = 2.5 ft² ([0.76 m x 0.61 m] ÷ 2 = 0.23 m²)
C is 3' x 5' = 15 ft² (0.91 m x 1.52 m = 1.39 m²)
A + B + C = ft² (m²) total walkable heated area
7.5 ft² + 2.5 ft² + 15 ft² = **25 ft²** (0.69 m² + 0.23 m² + 1.39 m²
= **2.31 m²**) total heated area

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 areas represent where you would install your Mat System.

A is 1'8" x 6'6" = 10.86 ft² (0.51 m x 1.98 m = 1.01 m²)
B is 1'8" x 6'6" = 10.86 ft² (0.51 m x 1.98 m = 1.01 m²)
C is 1'8" x 6'6" = 10.86 ft² (0.51 m x 1.98 m = 1.01 m²)
D is 1'8" x 2'6" = 4.18 ft² (0.51 m x 0.76 m = 0.39 m²)
A + B + C + D = ft² (m²) total walkable heated area
10.86 ft² + 10.86 ft² + 10.86 ft² + 4.18 ft² = **36.76 ft²**
(1.01 m² + 1.01 m² + 1.01 m² + 0.39 m² = **3.42 m²**) 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.**

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.

INDUSTRY LEADER
EasyHeat® Warm Tiles Electric Floor Warming Systems have been providing economical, energy-efficient warmth under tile, stone and engineered wood* floors for over 40 years. The Warm Tiles system installs quickly in both new construction and remodeling projects.

EASY AND QUICK TO INSTALL
Cable systems (DFT) are quickly and easily installed with included Warm Tiles strapping kits. An area of 30 ft² should take less than two hours to install. Our pre-made (SAM) mats offer added conveniences and reduce installation time even further. Your electrician should need no more than four 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 Cables and Mats are warranted for 15 years against defects in materials and workmanship.

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

OUR WARMTH
MAKES ALL THE DIFFERENCE.

EASYHEAT®

Warm Tiles®
ELECTRIC FLOOR WARMING SYSTEM

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

EMERSON.
Industrial Automation

WHY ARE WARM TILES® SO SIMPLE?

It's easy to buy just the right amount of material. See the measurement guide in this brochure.

It's easy to pick the right system. The Warm Tiles Mat System (SAM) for quick pre-fabricated installations and the Warm Tiles Cable System (DFT) for more irregular shaped rooms.

Installation is straightforward. A regular sized bathroom should require no more than two hours of your time and four hours of your electrician's.

Installation is quick. Depending on your floor material, you could be walking on warmth in just a few days.

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.

WITH WARM TILES, LUXURY ISN'T JUST AFFORDABLE, IT'S SIMPLE!

GENTLE WARMTH. AFFORDABLE LUXURY.

EVEN IN WARM CLIMATES, TILE AND STONE CAN FEEL UNCOMFORTABLY COLD. Warm Tiles® Floor Warming Systems 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 are affordable luxury.

WARM TILES CABLE KIT

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

WARM TILES 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^2 (6.50 m^2), 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 120 Vac Cable Kits			
Model Number	Standard Heating Area ft^2(m^2)	Alternate Heating Area ft^2(m^2)	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 240 Vac Cable Kits			
Model Number	Standard Heating Area ft^2(m^2)	Alternate Heating Area ft^2(m^2)	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 (19.5-20.90)	154-169 (14.31-15.70)	10.7

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^2 (6.50 m^2), 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^2 (m^2) of installation. All measurements are per kit.

WARM TILES 120 Vac Mat Kits			
Model Number	Mat Length ft(m)	Heated Area ft^2(m^2)	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^2(m^2)	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

Warm Tiles Thermostats provide comfort, control and years of trouble free service. Our Floor 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 off position selector switch. You may also choose the pre-programmed set-back mode to reduce energy usage by over 50%. Decorator doors are provided with all Warm Tiles Thermostats.

PRODUCT SELECTION CHART FOR WARM TILES THERMOSTAT KITS

All thermostats have built-in ground fault protection (GFCI), floor sensor, installation accessories and complete instructions. **All thermostats sold separately.**

WARM TILES Thermostat Kits			
Model Number	Description	Voltage	Amps*
GT-1	Non-programmable	120V	15
GTS-1	Programmable for 7 or 5/2 days	120V	15
GT-2	Non-programmable	240V	15
GTS-2	Programmable for 7 or 5/2	240V	15

Accessories			
Catalog Number	Description	CTN QTY	CTN WGT
RK1	Relay Kit, 120 Vac	1	.5
RK2	Relay Kit, 240 Vac	1	.5
CKT	Concrete Kit Tape, 25 ft	1	.5
DT1	Detecto Electric Fault Indicator	1	1.0

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