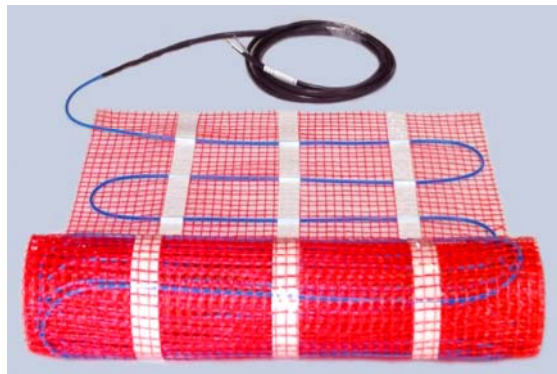


Data Sheet

General Information

Floor warming mat



FC-B Floor warming mat Systems

combine the highest comfort levels with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

- Single point connection
- Twin conductor cable
- Emits zero EMF (electromagnetic fields)
- Safety approved for wet locations
- Flexible installation
- Durable construction

·The floor warming system includes a blue heating cable woven into an adhesive-backed red fiberglass mesh that allows for simple roll-out installation without worrying about heating cable spacing.

WarmMat Specifications

Cable Construction:	Twin conductor
Rated Voltage:	120V,240V
Output:	12W/ft ² (130W/m ²)±10%
Cable spacing:	3" (76.2mm)
Cable Diameter:	1/8"-1/6" (3.2mm-4.2mm)
Conductor Insulation:	fluoropolymer
Outer Insulation:	fluoropolymer or PVC
Max. Ambient Temp.:	85°F (30°C)
Min. Installation Temp.:	40°F (5°C)
Cold lead	2-wire 16 AWG plus ground braid; 10ft (3m) length

Thermostat Specifications

Functions:	On/Off control, digital display, 7-day programmable
Supply Voltage :	120/240 V ±15%, 50/60 Hz
Maximum switching current :	16 Amp
Temperature control range :	40 to 104°F (5 to 40°C)
Ambient range :	32 to 104°F (0 to 40°C)
Floor temperature sensor :	2-wire, 10-foot lead wire

Kit Contents



1 Floor warming mat (with 10-foot cold lead)

2 thermostat

3 Floor temperature sensor

Ordering Information

120V	Heated Area		Mat Dimensions		Watts (12W/sq.ft.)	Amps	ohms
Catalog Number	sq.ft.	m ²	in.*ft.	m*m			
010-1	10	0.93	20*6.1	0.5*1.9	120	1.0	120.0
015-1	15	1.39	20*9.1	0.5*2.8	180	1.5	80.0
020-1	20	1.86	20*12.2	0.5*3.7	240	2.0	60.0
025-1	25	2.32	20*15.2	0.5*4.6	300	2.5	48.0
030-1	30	2.79	20*18.3	0.5*5.6	360	3.0	40.0
035-1	35	3.25	20*21.3	0.5*6.5	420	3.5	34.3
040-1	40	3.72	20*24.4	0.5*7.4	480	4.0	30.0
050-1	50	4.65	20*30.5	0.5*9.3	600	5.0	24.0
060-1	60	5.57	20*36.6	0.5*11.1	720	6.0	20.0
070-1	70	6.50	20*42.7	0.5*13.0	840	7.0	17.1
080-1	80	7.43	20*48.8	0.5*14.9	960	8.0	15.0
090-1	90	8.36	20*54.9	0.5*16.7	1080	9.0	13.3
100-1	100	9.29	20*61.0	0.5*18.6	1200	10.0	12.0

240V	Heated Area		Mat Dimensions		Watts (12W/sq.ft.)	Amps	ohms
Catalog Number	sq.ft.	m ²	in.*ft.	m*m			
020-2	20	1.86	20*12.2	0.5*3.7	240	1.0	240.0
030-2	30	2.79	20*18.3	0.5*5.6	360	1.5	160.0
035-2	35	3.25	20*21.3	0.5*6.5	420	1.8	137.1
040-2	40	3.72	20*24.4	0.5*7.4	480	2.0	120.0
050-2	50	4.65	20*30.5	0.5*9.3	600	2.5	96.0
060-2	60	5.57	20*36.6	0.5*11.1	720	3.0	80.0
070-2	70	6.50	20*42.7	0.5*13.0	840	3.5	68.6
080-2	80	7.43	20*48.8	0.5*14.9	960	4.0	60.0
090-2	90	8.36	20*54.9	0.5*16.7	1080	4.5	53.3
100-2	100	9.29	20*61.0	0.5*18.6	1200	5.0	48.0
110-2	110	10.22	20*67.1	0.5*20.4	1320	5.5	43.6
120-2	120	11.15	20*73.2	0.5*22.3	1440	6.0	40.0
145-2	145	13.47	20*88.4	0.5*26.9	1740	7.3	33.1
160-2	160	14.86	20*97.5	0.5*29.7	1920	8.0	30.0

Ordering Information

120V	Heated Area		Mat Dimensions		Watts (12W/sq.ft.)	Amps	ohms
Catalog Number	sq.ft.	m ²	in.*ft.	m*m			
010-3	10	0.93	30*4	0.76*1.2	120	1.0	120.0
015-3	15	1.39	30*6	0.76*1.8	180	1.5	80.0
020-3	20	1.86	30*8	0.76*2.4	240	2.0	60.0
025-3	25	2.32	30*10	0.76*3.1	300	2.5	48.0
030-3	30	2.79	30*12	0.76*3.7	360	3.0	40.0
035-3	35	3.25	30*14	0.76*4.3	420	3.5	34.3
040-3	40	3.72	30*16	0.76*4.9	480	4.0	30.0
050-3	50	4.65	30*20	0.76*6.1	600	5.0	24.0
060-3	60	5.57	30*24	0.76*7.3	720	6.0	20.0
070-3	70	6.50	30*28	0.76*8.6	840	7.0	17.1
080-3	80	7.43	30*32	0.76*9.8	960	8.0	15.0
090-3	90	8.36	30*36	0.76*11.0	1080	9.0	13.3
100-3	100	9.29	30*40	0.76*12.2	1200	10.0	12.0

240V	Heated Area		Mat Dimensions		Watts (12W/sq.ft.)	Amps	ohms
Catalog Number	sq.ft.	m ²	in.*ft.	m*m			
020-4	20	1.86	30*8	0.76*2.4	240	1.0	240.0
030-4	30	2.79	30*12	0.76*3.7	360	1.5	160.0
035-4	35	3.25	30*14	0.76*4.3	420	1.8	137.1
040-4	40	3.72	30*16	0.76*4.9	480	2.0	120.0
050-4	50	4.65	30*20	0.76*6.1	600	2.5	96.0
060-4	60	5.57	30*24	0.76*7.3	720	3.0	80.0
070-4	70	6.50	30*28	0.76*8.6	840	3.5	68.6
080-4	80	7.43	30*32	0.76*9.8	960	4.0	60.0
090-4	90	8.36	30*36	0.76*11.0	1080	4.5	53.3
100-4	100	9.29	30*40	0.76*12.2	1200	5.0	48.0
110-4	110	10.22	30*44	0.76*13.4	1320	5.5	43.6
120-4	120	11.15	30*48	0.76*14.7	1440	6.0	40.0
145-4	145	13.47	30*58	0.76*17.7	1740	7.3	33.1
160-4	160	14.86	30*64	0.76*19.6	1920	8.0	30.0

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