

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

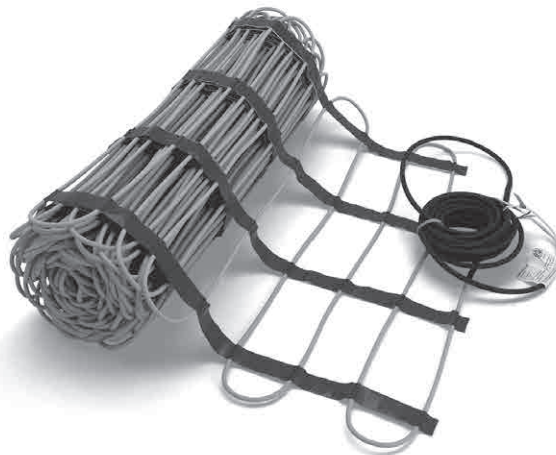
Representative _____

ProMelt™ Mat

Electric Snow and Ice Melt Mat

Sizes: 2' and 3' Wide Mats

ProMelt Mat is a complete heating mat consisting of a series resistance heating cable and a single power lead for easy single-point connection. The heating cable is pre-formed into a mat to provide consistent spacing and quick roll-out installation on the jobsite. The heating mat length cannot be cut to fit.



Specifications	
Supply Voltage	120V, 1-phase 208V, 1-phase 240V, 1-phase 277V, 1-phase
Maximum Heater Current	24 Amps
Maximum Circuit Load*	50 Amps
Wire Spacing	3"
Mat Width	2' 3'

* Ground fault equipment protection is required for each circuit.

Heating Density				
	120V	208V	240V	277V
2' Mat	38 W/sf 130 BTU/h/sf	50 W/sf 170 BTU/h/sf	50 W/sf 170 BTU/h/sf	50 W/sf 170 BTU/h/sf
3' Mat	–	50 W/sf 170 BTU/h/sf	50 W/sf 170 BTU/h/sf	50 W/sf 170 BTU/h/sf

Application

ProMelt Mats are used to melt ice or snow from an exterior surface and are designed for outdoor use only, embedded in concrete, asphalt, or sand.

Application Parameters	
Min. Bend Radius	1 inch
Max. Exposure Temperature (continuous and storage)	221°F (105°C)
Max. Exposure Temperature (short-term for asphalt covering)	285°F (140°C)
Min. Installation Temperature	40°F (4.5°C)

ProMelt Mats are available in 2' and 3' wide with various lengths with voltage options of 120, 208, 240, and 277 volts.

Installation Parameters

NOTICE

Determine a time to install the mat when equipment, heavy tools, and site traffic will be minimal. Apply the surfacing courses over the mat the same day the mat is installed.

If installing mat in the upper layer of a two-stage concrete slab or the upper layer of an asphalt application, the mat should be completely ready for the second stage. There is limited time between stages, as the slab should not be allowed to fully cure or the asphalt to completely cool. Therefore, lay out the mat and tie it to rewire that can be quickly lifted into place after the first stage is laid.

If a slab sensor is installed in this second layer, plan ahead so this does not cause the first layer to cure or cool too much.

Inspect the area and remove any sharp objects.

Install in temperatures at least 40°F (4.5°C).

WARNING

IN ORDER TO AVOID PROPERTY DAMAGE, INJURY AND/OR DEATH PLEASE REFER TO THE COMPLETE INSTALLATION MANUAL AND WARNINGS PROVIDED WITH THE PRODUCT.

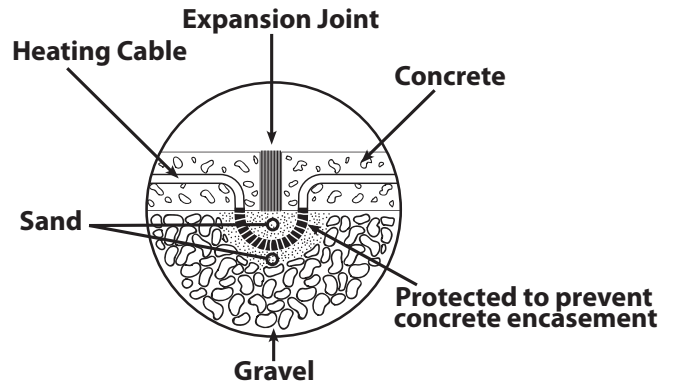
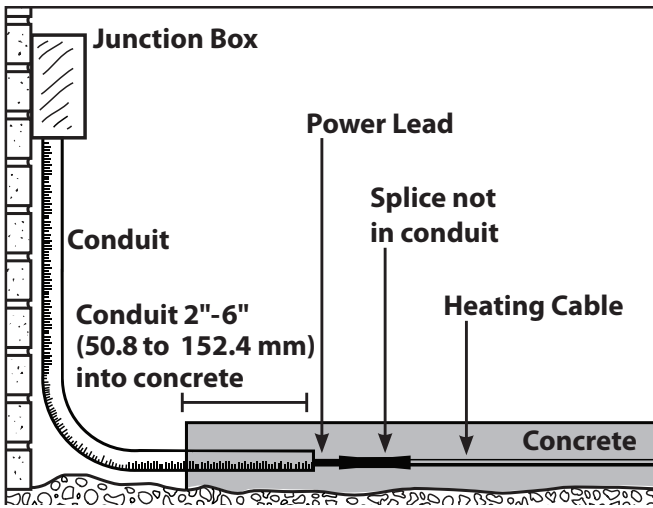


UL Listed for U.S. and Canada under UL 515, IEEE 515.1, and CSA C22.2 No. 130-03.
Listing file number E483414



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Watts Radiant product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Radiant Technical Service. Watts Radiant reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts Radiant products previously or subsequently sold.



ProMelt must be embedded in a sand bed when transitioning out of the concrete slab.

ProMelt electrical leads transition from the slab to the control or electrical junction box via conduit.

38W/sqft @ 120 VAC

2 ft. Wide	Model No.	Length	Amps	Ohms
	SM3812000524	5.0	3.2	42 - 53
	SM3812001024	10.0	6.3	20 - 25
	SM3812001524	15.0	9.5	13 - 17
	SM3812002024	20.0	12.7	7 - 10
	SM3812002524	25.0	15.8	6 - 8
	SM3812003024	30.0	19.0	4 - 6

50W/sqft @ 208 VAC

2 ft. Wide	Model No.	Length	Amps	Ohms
	SM5020800724	7.0	3.2	59 - 74
	SM5020801124	11.0	5.3	40 - 50
	SM5020801424	14.0	6.7	28 - 35
	SM5020801824	18.0	8.7	23 - 29
	SM5020802024	20.0	9.6	17 - 22
	SM5020802424	24.0	11.5	15 - 20
	SM5020802824	28.0	13.5	13 - 17
	SM5020803424	34.0	16.3	10 - 13
	SM5020803824	38.0	18.3	9 - 12
	SM5020804224	42.0	20.2	8 - 11
SM5020804824	48.0	23.1	7 - 10	

3 ft. Wide	Model No.	Length	Amps	Ohms
	SM5020800536	5.0	3.6	64 - 80
	SM5020801036	10.0	7.2	30 - 38
	SM5020801536	15.0	10.8	14 - 19
	SM5020802036	20.0	14.4	11 - 15
	SM5020802536	25.0	18.0	9 - 12
SM5020803036	30.0	21.6	7 - 9	

50W/sqft @ 240 VAC

2 ft. Wide	Model No.	Length	Amps	Ohms
	SM5024000824	8.0	3.3	68 - 84
	SM5024001224	12.0	5.0	43 - 54
	SM5024001624	16.0	6.7	32 - 40
	SM5024002024	20.0	8.3	26 - 32
	SM5024002424	24.0	10.0	21 - 27
	SM5024002824	28.0	11.7	18 - 23
	SM5024003224	32.0	13.3	15 - 19
	SM5024003624	36.0	15.0	13 - 17
	SM5024004024	40.0	16.7	12 - 15
	SM5024004424HW	44.0	18.3	11 - 14
	SM5024004824	48.0	20.0	10 - 13
	SM5024005224	52.0	21.7	8 - 11

3 ft. Wide	Model No.	Length	Amps	Ohms
	SM5024000536	5.0	3.1	64 - 80
	SM5024001036	10.0	6.3	30 - 38
	SM5024001536	15.0	9.4	20 - 25
	SM5024002036	20.0	12.5	14 - 18
	SM5024002536	25.0	15.6	11 - 15
	SM5024003036	30.0	18.8	9 - 12
SM5024003536	35.0	21.9	8 - 11	

50W/sqft @ 277 VAC

2 ft. Wide	Model No.	Length	Amps	Ohms
	SM5027700924	9.0	3.2	77 - 95
	SM5027701424	14.0	5.1	51 - 63
	SM5027701824	18.0	6.5	36 - 45
	SM5027702424	24.0	8.7	31 - 39
	SM5027702824	28.0	10.1	24 - 31
	SM5027703224	32.0	11.6	20 - 26
	SM5027703624	36.0	13.0	17 - 22
	SM5027704024	40.0	14.4	15 - 19
	SM5027704424	44.0	15.9	13 - 17
	SM5027704824	48.0	17.3	12 - 16
	SM5027705224	52.0	18.8	11 - 14
	SM5027705624	56.0	20.2	8 - 11

3 ft. Wide	Model No.	Length	Amps	Ohms
	SM5027701036	10.0	5.4	55 - 68
	SM5027701536	15.0	8.1	29 - 37
	SM5027702036	20.0	10.8	19 - 25
	SM5027702536	25.0	13.5	14 - 18
	SM5027703036	30.0	16.2	11 - 15
SM5027703536	35.0	19.0	11 - 14	



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