

ProMelt® Electric Snow Melting Solutions



ProMelt Mat Sizes

120 VAC Mats (38 Watts/ft²)

	Size (L x W)	Ft ²	Order#	Model#	Amps
2' Wide	5' x 2'	10	81011665	SM3812000524HW	3.2
	10' x 2'	20	81011667	SM3812001024HW	6.3
	15' x 2'	30	81011669	SM3812001524HW	9.5
	20' x 2'	40	81011671	SM3812002024HW	12.7
	25' x 2'	50	81011673	SM3812002524HW	15.8
	30' x 2'	60	81011675	SM3812003024HW	19.0

240 VAC Mats (38 Watts/ft²)

	Size (L x W)	Ft ²	Order#	Model#	Amps
2' Wide	10' x 2'	20	81014652	SM3824001024HW	3.2
	20' x 2'	40	81014653	SM3824002024HW	6.3
	30' x 2'	60	81014654	SM3824003024HW	9.5
	40' x 2'	80	81014655	SM3824004024HW	12.7
	50' x 2'	100	81014656	SM3824005024HW	15.8
	60' x 2'	120	81014657	SM3824006024HW	19.0

208 VAC Mats (50 Watts/ft²)

	Size (L x W)	Ft ²	Order#	Model#	Amps
2' Wide	7' x 2'	14	81011593	SM5020800724HW	3.4
	11' x 2'	22	81011594	SM5020801124HW	5.3
	14' x 2'	28	81011595	SM5020801424HW	6.7
	18' x 2'	36	81011596	SM5020801824HW	8.7
	20' x 2'	40	81011597	SM5020802024HW	9.6
	24' x 2'	48	81011598	SM5020802424HW	11.5
	28' x 2'	56	81011599	SM5020802824HW	13.5
	34' x 2'	68	81011601	SM5020803424HW	16.3
	38' x 2'	76	81011602	SM5020803824HW	18.3
	42' x 2'	84	81011603	SM5020804224HW	20.2
3' Wide	48' x 2'	96	81011604	SM5020804824HW	23.1
	5' x 3'	15	81011605	SM5020800536HW	3.6
	10' x 3'	30	81011607	SM5020801036HW	7.2
	15' x 3'	45	81011610	SM5020801536HW	10.8
	20' x 3'	60	81011612	SM5020802036HW	14.4
	25' x 3'	75	81011614	SM5020802536HW	18.0

240 VAC Mats (50 Watts/ft²)

	Size (L x W)	Ft ²	Order#	Model#	Amps
2' Wide	8' x 2'	16	81011617	SM5024000824HW	3.3
	12' x 2'	24	81011618	SM5024001224HW	5.0
	16' x 2'	32	81011619	SM5024001624HW	6.7
	20' x 2'	40	81011620	SM5024002024HW	8.3
	24' x 2'	48	81011621	SM5024002424HW	10.0
	28' x 2'	56	81011622	SM5024002824HW	11.7
	32' x 2'	64	81011623	SM5024003224HW	13.3
	36' x 2'	72	81011624	SM5024003624HW	15.0
	40' x 2'	80	81011625	SM5024004024HW	16.7
	44' x 2'	88	81011626	SM5024004424HW	18.3
3' Wide	48' x 2'	96	81011627	SM5024004824HW	20.0
	52' x 2'	104	81011628	SM5024005224HW	21.7
	5' x 3'	15	81011629	SM5024000536HW	3.1
	10' x 3'	30	81011631	SM5024001036HW	6.3
	15' x 3'	45	81011633	SM5024001536HW	9.4
	20' x 3'	60	81011635	SM5024002036HW	12.5
	25' x 3'	75	81011637	SM5024002536HW	15.6
	30' x 3'	90	81011639	SM5024003036HW	18.8
	35' x 3'	105	81011640	SM5024003536HW	21.9

ProMelt® Mats

ProMelt Mats hold the heating elements in place for a fast installation. Simply unroll the mat and secure to rewire or rebar using cable ties. Mats are available in 2' or 3' wide rolls in various lengths to fit your project. For larger spaces, multiple mats can be controlled by one ProMelt contactor.



Mat selection

- Calculate the required Watts per square foot to select between 38 or 50 W/ft² mats.
- Calculate the square footage for each individually controlled zone.
- Determine which voltage will be used.

ProMelt® Controls



- Zones with less than 60 Amps can use an all-in-one control solution (PM-2C or PM-5).
- The PM-L1 to L3 kits connect to a ContactorPro panel to control zones of any size.

Control	Operation	Sensor	Amps
PM-2C	Automatic start Timed stop	Pole Mount	Up to 30
PM-5			Up to 60
PM-L2			Any Size with ContactorPro panel
PM-L3	Automatic start & stop Slab temperature control	Surface Mount	
PM-L1	Manual start & stop Slab temperature control	In-Slab	
PM-519	Outdoor patio heating (no snow melting)		

ProMelt® Cable

ProMelt Cable offers a flexible option for curves and free-form areas. 3" spacing provides 50 W/ft² (170 btu/h/ft²) of heating. 4" spacing provides 38 W/ft² (130 btu/h/ft²). To install, attach to rebar or rewire at the selected spacing with cable ties. Multiple cables can be controlled by one ProMelt contactor.

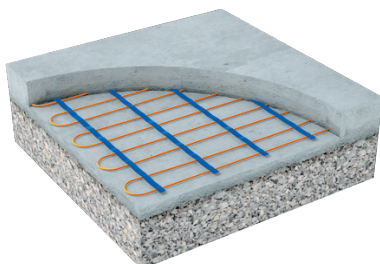
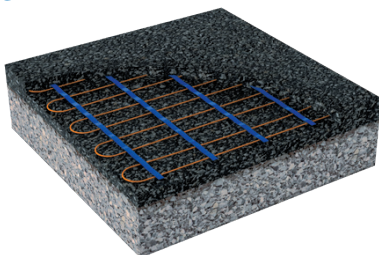


Cable selection

- Calculate the required Watts per square foot.
- Select a spacing option that will provide enough output for the expected performance of the snow melt system.
- Calculate the total area to be melted for each individually controlled zone.
- Determine which voltage will be used.
- Select a cable long enough to cover the melting area.

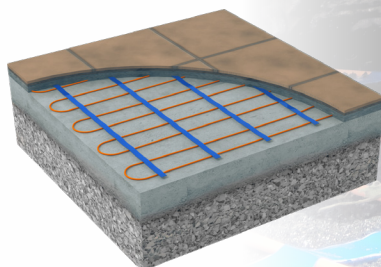
Sample applications

ProMelt between two lifts of asphalt



ProMelt attached to rewire or rebar in middle of concrete slab

ProMelt embedded in mortar under tile



ProMelt Cable Sizes

120 VAC Cable

Coverage (ft²)

3" O.C. (50 W/ft ²)	4" O.C. (38 W/ft ²)	Length	Order#	Model#	Amps
8	10	29'	81011367	SC50120008HW	3.3
15	20	59'	81011369	SC50120015HW	6.3
20	26	78'	81011370	SC50120020HW	8.3
30	39	118'	81011373	SC50120030HW	12.5
40	53	158'	81011376	SC50120040HW	16.7
53	69	208'	81011378	SC50120053HW	22.1

208 VAC Cable

Coverage (ft²)

3" O.C. (50 W/ft ²)	4" O.C. (38 W/ft ²)	Length	Order#	Model#	Amps
14	19	55'	81011408	SC50208014HW	3.4
20	26	78'	81011416	SC50208020HW	4.8
30	39	118'	81011417	SC50208030HW	7.2
35	46	138'	81011418	SC50208035HW	8.4
40	53	158'	81011383	SC50208040HW	9.6
45	59	178'	81011384	SC50208045HW	10.8
55	72	218'	81011385	SC50208055HW	13.2
60	79	238'	81011386	SC50208060HW	14.4
65	85	257'	81011387	SC50208065HW	15.6
75	98	297'	81011388	SC50208075HW	18.0
80	105	317'	81011389	SC50208080HW	19.2
90	118	357'	81011390	SC50208090HW	21.6

240 VAC Cable

Coverage (ft²)

3" O.C. (50 W/ft ²)	4" O.C. (38 W/ft ²)	Length	Order#	Model#	Amps
15	20	59'	81011391	SC50240015HW	3.1
25	33	98'	81011392	SC50240025HW	5.2
30	39	118'	81011393	SC50240030HW	6.3
40	53	158'	81011394	SC50240040HW	8.3
45	59	178'	81011395	SC50240045HW	9.4
55	72	218'	81011396	SC50240055HW	11.5
60	79	238'	81011397	SC50240060HW	12.5
65	85	257'	81011398	SC50240065HW	13.5
75	98	297'	81011399	SC50240075HW	15.6
80	105	317'	81011400	SC50240080HW	16.7
90	118	357'	81011401	SC50240090HW	18.8
105	137	417'	81011402	SC50240105HW	21.9



Why Choose a Watts Radiant ProMelt® System?

- Over 60 standard mat and cable sizes to better fit your projects
- Controls designed to improve safety and reduce operational costs
- Polyurethane outer wire jacket for superior flexibility, abrasion and tear resistance
- Better low-temperature stability than PVC products
- World-class design, manufacturing and technical support
- ProMelt cables and mats are assembled in USA and backed by a 10-year warranty

Watts Radiant products are designed to add comfort, convenience and reliability to homes and commercial buildings. With Watts Radiant, you can choose from a full line of electric floor heating and snow melting solutions that are easy to use and install.

