

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

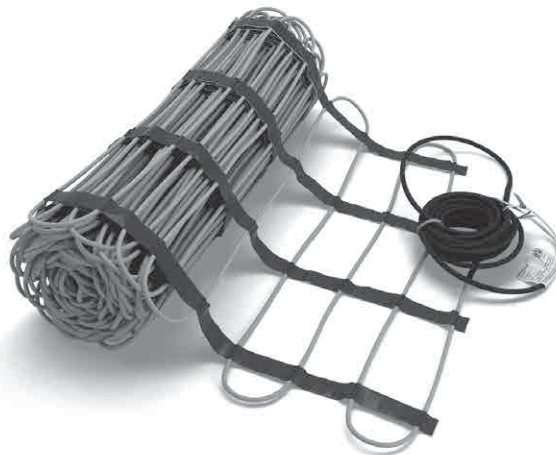
Representative _____

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.

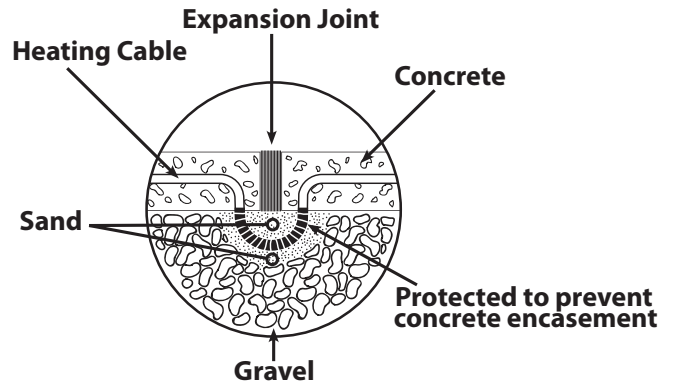
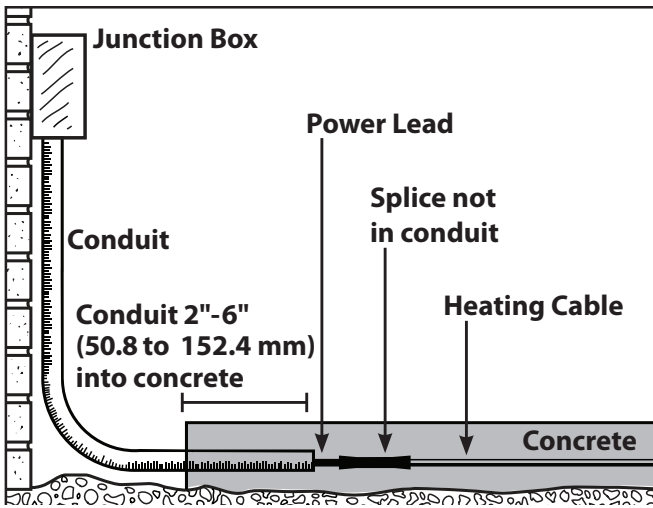


UL Listed for U.S. and Canada under UL 515, IEEE 515.1, and CSA C22.2 No. 130-03.
Listing file number E483414



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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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