

Snow Melt and Heating

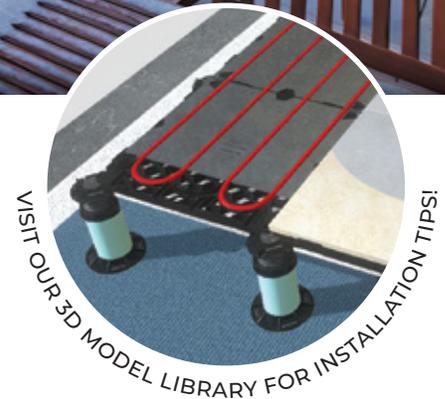


Hybrid Heating System

Tile Tech® Hex-Tray™ Snow Melt System is the most economical, versatile, and easiest to install system for snow-free surface for pedestal supported pavers laid on elevated rooftop decks, terraces, plazas, or walkways in both commercial and residential applications.

Our Snow Melt System can be used with both ELECTRIC and HYDRONIC heating systems, engineered to be used in conjunction with our porcelain roof deck pavers and adjustable pedestals. It works by simply running insulated electrical heating cables or hydronic PEX tubing along channels on top of the aluminum heat plates which installed under the paving slabs.

Additional wind-uplift prevention mechanism are available for our Snow Melt System, preventing horizontal and vertical movement in inclement weather.



Specifications

Snow Melt System

23-5/8" x 23-5/8" x 1-3/4"
600mm x 600mm x 44mm

Weight: 2 lbs./Sq.Ft. (without paver)

Materials: Aluminum sheet with polyurethane insulation.

Paver-Tray: High Density Polypropylene (HDPP). Complies with ASTM F2806.

Foam Insulation: Provides R-6 insulating properties at ~1.25" thickness which directs heat upward.

Tile Tech's Snow Melt System comes fully assembled, saving you time and effort.

Cross-linked polyethylene (PEX) pipe is one of the most cost-effective piping solutions. It will expand if frozen and contract to its original shape when thawed.

Mineral Insulated Cable (MI) provides high-temperature capability, exceptional electrical isolation, and physical protection for the conductors especially when subjected to harsh environments.

LEED Opportunities

Tile Tech's Snow Melt Systems provide credit opportunities under LEED Energy and Atmosphere (EA) and LEED Indoor Environmental Quality (IEQ) and Innovation & Design Process (ID) categories. Refer to the USGBC website for more information on how the Snow Melt System can assist your sustainable goals.

Shipping Details

Units: 130 pcs.
Coverage Area: 520 Sq.Ft.
Shipping: 1,500 lbs./pallet
Pallet size: 44" x 48" x 85" high



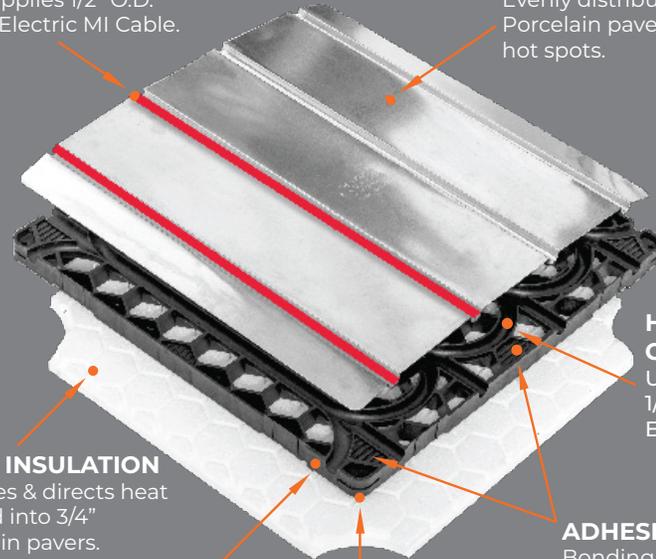
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HEATING ELEMENT

User supplies 1/2" O.D. PEX or Electric MI Cable.

HEAT TRANSFER PLATE

Evenly distributes heat under Porcelain pavers & reduces hot spots.



HEAT TRACE CHANNELS

User supplied 1/2" O.D. PEX or Electric MI Cable.

FOAM INSULATION

Insulates & directs heat upward into 3/4" porcelain pavers.

PAVER-TRAY SNOW MELT

Honeycomb structural tray.
Size: 23-5/8" x 23-5/8" x 1-3/4"
600mm x 600mm x 44mm

CORNER LOCK DOWN

Tray-to-tray & pedestal Lock down.

ADHESIVE TRACK

Bonding of porcelain paver to tray.

Snow Melt System

Depth:	1-3/4" 44mm (without paver)
Weight:	2 lbs./Sq.Ft. (without paver)
Foam Insulation:	Provides R-6 properties at ~1.25" thick
Finished Clearance:	2-3/4" minimum clearance
System pressure (max)	Not to exceed 40 PSI
System supply temperature	Not to exceed 140°F

Porcelain Paver

Static Load (Center)*	≥1,840 lbf.	ASTM N/A, EN 12825
Bending Strength*	3,300 lbs.	ASTM C-648, ISO 10545-4
Distribution Load*	2,500 lbs.	ASTM N/A, EN 12825
Slip Resistant*	R11	DIN51130
COF (Wet, Dry)*	>0.60	ASTM C-1028-7, ISO N/A
Abrasion Resistant*	Yes (Class 5)	ASTM C-1027, ISO 10545-6
Stain Resistant*	Yes (Class 5)	ASTM C-1378, ISO 10545-14
Frost Resistant*	Yes	ASTM C-1026, ISO 10545-12

* Specifications for porcelain paver installed as part of the Snow Melt System. Full test reports and specification details available on our website.

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