Snow Melting Application Cross Sections

The following diagrams illustrate the approved cross-sectional installation configurations for a variety of common snow melting applications: asphalt, concrete, and pavers. These cross sections apply to both the **Snow Melting Mat** and **Snow Melting Cable** products, and are designed to ensure optimal heating cable placement, system performance, and long-term durability. Refer to the appropriate diagram for your specific application to ensure proper installation depth, cable embedding, and application base layer.

Asphalt Snow Melting

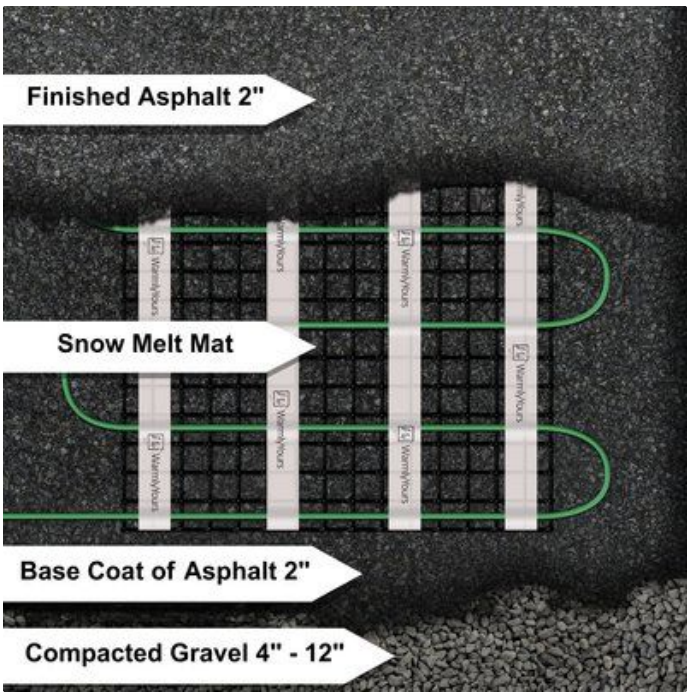
Designed for direct installation within multi-lift asphalt applications.

The installation begins with a compacted sub-base of **4" to 8" (102mm to 203mm) of crushed aggregate**. Over this base, a **1.5" to 2" (38mm to 51mm) asphalt binder/primer layer** is laid to create a smooth, stable foundation for the heating assembly.

The heating cables are positioned over the binder layer, placed either above or below the reinforcing wire mesh and secured firmly with plastic zip ties. Maintain consistent cable spacing to ensure uniform thermal distribution.

Finally, a **2" to 3" (51mm to 76mm) asphalt surface course** is applied over the heating cable assembly. Care must be taken during compaction of the top layer to prevent damage to the underlying heating elements.

Snow Melting Mat



Concrete Snow Melt

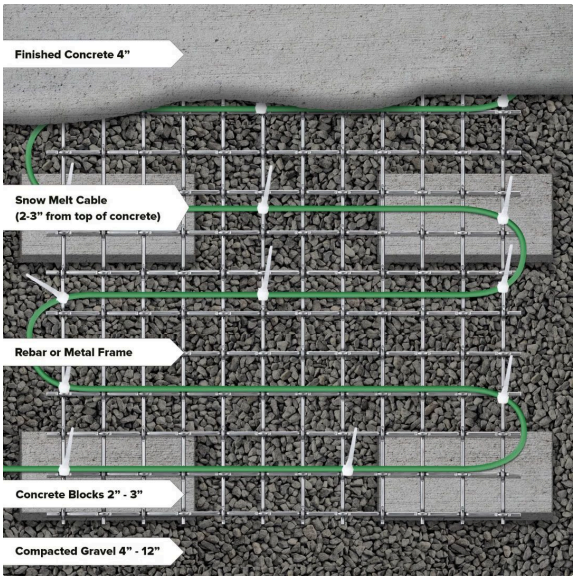
Engineered for embedding heating cables directly within a two-lift or suspended-mesh concrete slab application.

The installation begins on a stable foundation of **4" to 8" (102mm to 203mm) of crushed rock aggregate base**. A initial **2" to 3" (51mm to 76mm) concrete base pour** is placed over the aggregate base.

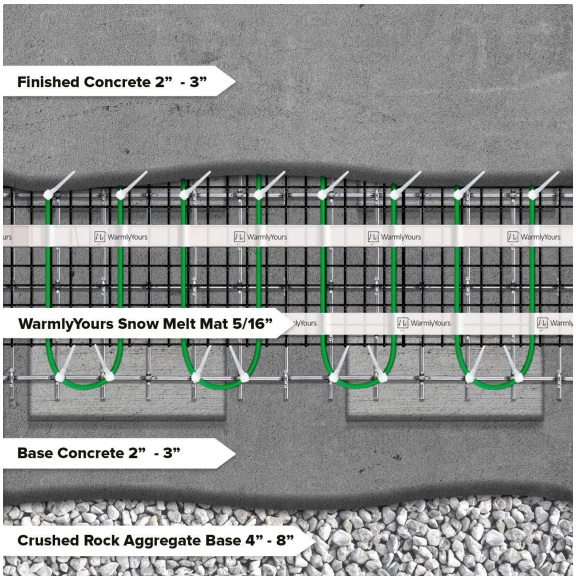
Reinforcing rebar or wire mesh is positioned and elevated using concrete bricks or metal chairs to ensure proper depth placement within the slab. The heating cables are laid across the mesh and secured using plastic zip ties at consistent intervals to maintain proper spacing and prevent floating during the final pour.

Finally, a **2" to 3" (51mm to 76mm) finished concrete layer** is poured over the heating cable assembly, achieving a total slab thickness designed for optimal heat transfer and structural durability.

Snow Melting Cable



Snow Melting Mat

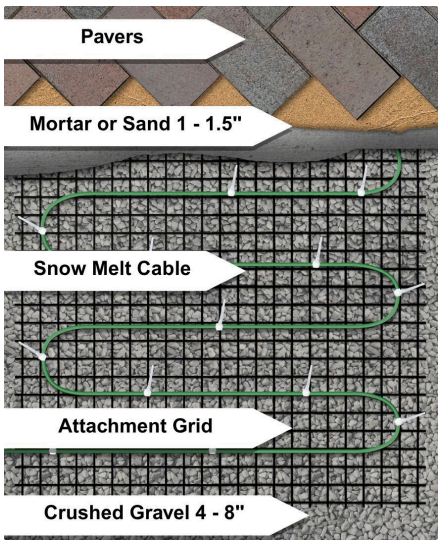


Paver Snow Melt

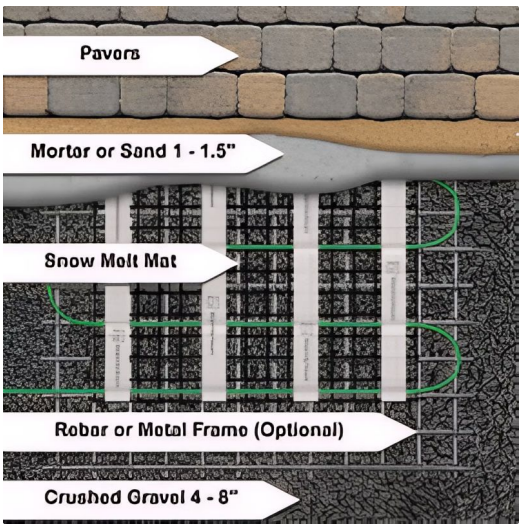
Designed for standard paver, permeable paver, and heavy-duty driveway applications with tire track coverage. All installations require pavers with a **maximum thickness of 2.5" (63.5mm)** and heating elements spaced **3" (76mm)** apart, tied with plastic zip ties to rebar or wire mesh secured to the base.

- **Standard / Brick Pavers:** Installed over a 1"–1.5" bedding sand or mortar layer, supported by a 4"–8" crushed rock aggregate base.
- **Permeable Pavers:** Installed over a 2" bedding layer of #9 stone, supported by 4" of #57 stone and an 18" #2 stone reservoir sub-base.
- **Driveway / Heavy Loads:** Installed over 1"–1.5" bedding sand on a concrete base (4" min.) or asphalt base (2" min.), backed by engineered aggregate sub-base and compacted soil subgrade.

Snow Melting Cable



Snow Melting Mat



Contact Us

📞 Call Us: 1-800-875-5285

Our knowledgeable team is available **Monday–Friday** to answer your questions, assist with system design, and provide technical support.

ⓘ *Note: Consult with your hardscape professional to determine the exact conditions at the project site and work with WarmlyYours to determine the best scenario for a successful install.*