Tempurtech Manufacturing LLC

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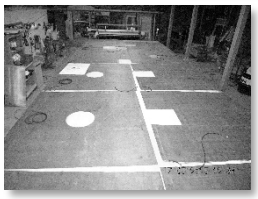
Tempurtech Heated Roof Mats







ADVANCED CARBON TECHNOLOGY

Our heated mats use a carbon heating element with a Positive Tempurature Coefficient (PTC) which limits the maximum current allowed in the system and prevents thermal runaway. When the carbon is excited to its threshold temperature, it demonstrates a rapid increase in resistance to reach its maximum designed tempurature. When this temperature is attained, the increased resistance chokes off the current to ensure the heating element stays within its designed limits. Our systems are designed to offer superior energy efficiency, durability, and safety.

FEATURES & BENEFITS

- Mats may be automatically controlled via our DS-9C controller
- Plug-and-play design allows for easy and simple installation. No additional wiring necessary
- High UV and weather resistance allows mats to be installed outdoors year-round
- Low-cost, efficient heating
- Meets all ETL design and component standards that meet or exceed UL standards

OVERVIEW

Our EPDM Heated Roof Mat is optimal for clearing snow and ice from any problem area on your roof. The mats may be applied to all common roof types to eliminate snow and ice buildup throughout the winter. Whether you're looking to clear valleys, protect eaves and gutters, or prevent excessive snow loads and drifts, our mats stay on to melt snow as it falls and prevent refreezing and ice damming.

Tempurtech uses a parallel carbon resistance heating element to ensure maximum heating area and optimal product performance whereas other common heating products use linearly configured heating elements prone to easy wear, poor coverage, and overheating. Tempurtech's UL-listed sheet heating element contains no internal wires which are typically

INSTALLATION

Our EPDM Heated Roof Mats may be installed over an existing roof or under a new one. They may be installed using EPDM adhesives or Tempurtech's double-sided adhesive tape

TEMPURTECH MANUFACTURING LLC
ICE AND SNOW MELTING SYSTEMS

Physical Properties

	5" wide	12" wide	24" wide
Max. Length/Mat (ft)	50	50	50
Weight (lbs/ln ft)	0.35	0.75	1.5
Thickness	0.135"		
Slip Resistance	Minimal – Should not be used for traction		
Color	Matte Black		
Max. Element Temperature	110°F (Sustained), 120°F (Max.)		
Bend Radius	90 degrees, do not crease mats		

Electrical Properties

	5" wide	12" wide	24" wide
Amps/ln ft (120V / 240V)	0.07/N/A	0.15/0.08	0.36/0.16
Power Req. (kW/ln ft) (120V / 240V)	0.008/N/A	0.018/0.02	0.04/0.038
Max. Circuit Load	16 Amps		
Circuit Protection	20 Amp breaker (for max. circuit load) with GFPE protection		