



PRESS KIT

WHAT'S HOT



THERMAL
TECHNOLOGY



OVERVIEW

THERMAL
TECHNOLOGIES

Thermal Technologies is a leading innovator of roof de-icing systems. The company focuses on designing and manufacturing top residential and commercial products. Its passion is helping you come up with the best solution for your individual de-icing needs.

As a Utah-based company, centered in the snow-capped Mountain West, Thermal Technologies knows cold weather. And, it has created some of the best solutions for eliminating the dangers of ice and snow buildups. The company is committed to offering quality installation, knowledgeable service and long-term dedication to its customers.

Thermal Technologies' high-grade de-icing products include its own revolutionary T-Panel and T-Zone systems that virtually eradicate ice dams. What's an ice dam? After a snowstorm, radiant heat from the sun and the home or business causes snow to melt. This snow melts and trickles down the roof and freezes, creating an ice dam. Future snow-melt accumulates behind this ice dam, creating a water pocket that can damage the roof. The water can also freeze, creating a larger ice dam, which can damage roof overhangs and rain gutters. If your home or building has icicles, there's a good chance you're susceptible to this kind of problem. Thermal Technologies' systems have been specifically designed to eliminate ice dams like these. The company also provides cost-effective de-icing solutions including its own Heat Tracing System.

Thermal Technologies' roof de-icing systems have been used at many resort communities and ski resorts, including Park City Mountain Resort, the site of many events during the 2002 Winter Olympics. Thermal Technologies is also currently designing a system for the Freedom Tower in New York City.

Thermal Technologies

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THERMAL TECHNOLOGIES PRODUCT OVERVIEW

Unlike traditional roof heating cables, Thermal Technologies' patented T-Panel and T-Zone designs clear the entire roof edge of snow.



INNOVATIVE
ROOF DE-ICING
SYSTEMS

T-Panel System

Thermal Technologies' aluminum panels are designed for maximum heat transfer. Unlike other products, T-Panels do not rely on heating panel surfaces through indirect heating of an air space. The heat source is in direct contact with the panel surfaces. This provides much greater efficiency and

de-icing system saves you up to 70 percent compared to alternatives when used with Drexan™ heater cables. When mounted on roof eaves and valleys, Thermal Technologies' systems are designed to eliminate ice and snow in those areas, keeping structures safer by reducing the risk of winter damage—and that's important since most insurance policies and warranties don't cover ice damage.

T-Zone System

The aluminum alloy panel surrounds the available heat source; the top, bottom and sides are in direct contact with the heat source

at all times. This is the most efficient use of energy and offers the best results available. This system is an excellent choice for homes or buildings that are located in higher elevations, or that have eaves over 24 inches. This product is also often selected by discerning customers who prefer the attractive look of the T-Zone System.





THERMAL
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THERMAL TECHNOLOGIES PRODUCT OVERVIEW *continued*

HOW ARE THERMAL TECHNOLOGIES' PRODUCTS DIFFERENT?

Thermal Technologies' systems are designed to clear the entire roof edge from snow and ice, unlike traditional heat cable systems.

Thermal Technologies' products are environmentally friendly. The company's roof de-icing systems use 100 percent recycled aluminum alloy and other environmentally friendly materials. Its systems are also up to 70 percent more energy-efficient than existing roof de-icing systems on the market today.

In addition to offering roof de-icing systems that are powered by electricity, Thermal Technologies is the first company to offer a hydronic heat system. These systems are 90 percent more efficient than any electric roof de-icing system on the market to date. Plus, they are among the most environmentally friendly products available.

THERMAL TECHNOLOGIES' PAST AND CURRENT PROJECTS OF NOTE

- Ski resort structures in Utah at Park City, Alta and Solitude
- Church of Jesus Christ of Latter-day Saints chapel in Valdez, Alaska (this project is utilizing a hydronic system)
- EPA building in Arlington, Va.
- Currently designing systems for the Freedom Tower in New York City
- Deer Valley Montage Hotel (Thermal Technologies has created a hydronic de-icing system for the ultra-luxurious hotel that, once it is installed, will cost an estimated \$32,000 a year to operate compared to a competitor's electric system that would have cost an estimated \$400,000 a year)

WEB SITE

For more information about Thermal Technologies, visit www.thermaltechusa.com



THERMAL
TECHNOLOGIES

MICHAEL GURR

Founder, President,
CEO Thermal Technologies

MICHAEL GURR has been an entrepreneur for most of his adult life. In 1992, at the age of 22, he started the Utah-based home improvement company, M&M Gutters and Home Improvement. He ran the company for 15 years, providing service to 120,000 customers. During his reign at M&M Gutters and Home Improvement, Gurr and his staff often encountered residential and commercial properties that were having roof damage problems caused by snow and ice. After trying to resolve these problems with existing heating cables and other costly systems,



Gurr took it upon himself to try to develop a better roof de-icing system. In 2004, Gurr launched Thermal Technologies, with the sole purpose of designing and manufacturing roof de-icing systems that were safer, more energy efficient, environmentally friendly and less expensive to own and operate than other systems in the marketplace. After developing and testing four prototypes in the harsh winter conditions of Park City and Heber, Utah, Gurr began marketing Thermal Technologies' first roof de-icing product.

As a result of the high demand for Thermal Technologies, Gurr sold M&M Gutters and Home Improvement in 2007 in order to focus entirely on roof de-icing systems. By March 2009, hundreds of systems have been sold in Canada and the United States, with the majority of sales occurring above the Mason Dixon Line. There are currently 35 Thermal Technologies distributors in the United States and Canada.

Gurr was born in Cedar City, Utah, spent much of his youth in Las Vegas, and lived in San Diego for a few years. After a short stint in Colorado, he moved to Salt Lake City in 1991, where he briefly worked for a home exterior company before founding M&M Gutters and Home Improvement.



THERMAL
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NEWS RELEASE

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THERMAL TECHNOLOGIES CORPORATION NOW OFFERING ROOFING DE-ICING SYSTEMS DESIGNED TO ELIMINATE ICE DAMS Utah-based company develops products for harsh winter areas

Bluffdale, Utah— Thermal Technologies Corporation, a Utah-based company, has developed new roof de-icing systems that company officials say can protect homes from serious damage during harsh winter conditions.

The systems have been installed in high profile commercial buildings (including at ski resorts in Utah and South Dakota) and luxury homes throughout the United States and Canada. In addition, Thermal Technologies Corporation President and CEO Michael Gurr says that one of his company's systems is currently being considered for the Freedom Towers in New York City.

Thermal Technologies utilizes heat cables or hydronic heating in the company's patent-pending roof de-icing systems to melt snow and ice under severe winter conditions.

"Winter resort communities are especially susceptible to ice and snow damage to homes and even commercial properties. Until recently, many products on the market really didn't offer safe, efficient solutions to these problems. But now, with products that we've created and manufactured, property owners can be assured that potential trouble spots on roofs will be clear of ice and snow even in the harshest of weather conditions. Plus, our products are eco-friendly," Gurr said.


Gurr said that ice dams on roofs create many of the problems encountered in areas that have considerable snowfall and cold temperatures.

"An ice dam is a ridge of ice that forms at the edge of a roof that prevents melting snow in the form of water from properly draining off the roof. The water that is retained behind the dam can leak into the home and cause damage to walls, ceilings, insulation and other areas. Since heat is constantly being released from even the best insulated homes, this problem is very common in Park City and Heber.

Exhaust systems in kitchens and bathrooms, wood stoves and fireplaces melt snow

and ice to create the melting snow and ice, and this inevitably causes problems. If your building has icicles,

there's a good chance you've got a potential problem," Gurr said.



Gurr noted that in the past, the traditional method of reducing ice dams had been to install heat cable in a zigzag pattern. “The problem with heat cable is that it was never designed to clear an entire roof edge, and it doesn’t work effectively in heavy winter conditions. Plus, these cables are costly to operate and are susceptible to damage from sliding snow, tree branches and other roof hazards. With a Thermal Technologies system, which incorporates heated panels made of 100 percent recycled aluminum alloy and other environmentally friendly materials, we’re able to eliminate the dangers of snow and ice buildups altogether. Plus, we’re able to reduce energy consumption and our carbon footprint,” he said.

Gurr founded Thermal Technologies Corporation in 2004 in South Jordan, Utah. Prior to Thermal Technologies Corporation, Gurr worked as a general contractor for almost 20 years. He has said that his work in home remodeling demonstrated a need to advance the shortcomings within the roof de-icing industry. The company deals directly with consumers and in a business-to-business capacity with roofing companies, gutter companies, electricians, builders, general contractors and architects. Thermal Technologies Corporation’s products are now available in the United States and Canada.

For more information about Thermal Technologies, visit **thermaltechusa.com**.

ICE DAM HEATED ROOF PANELS

