

INDUSTRY NEWS

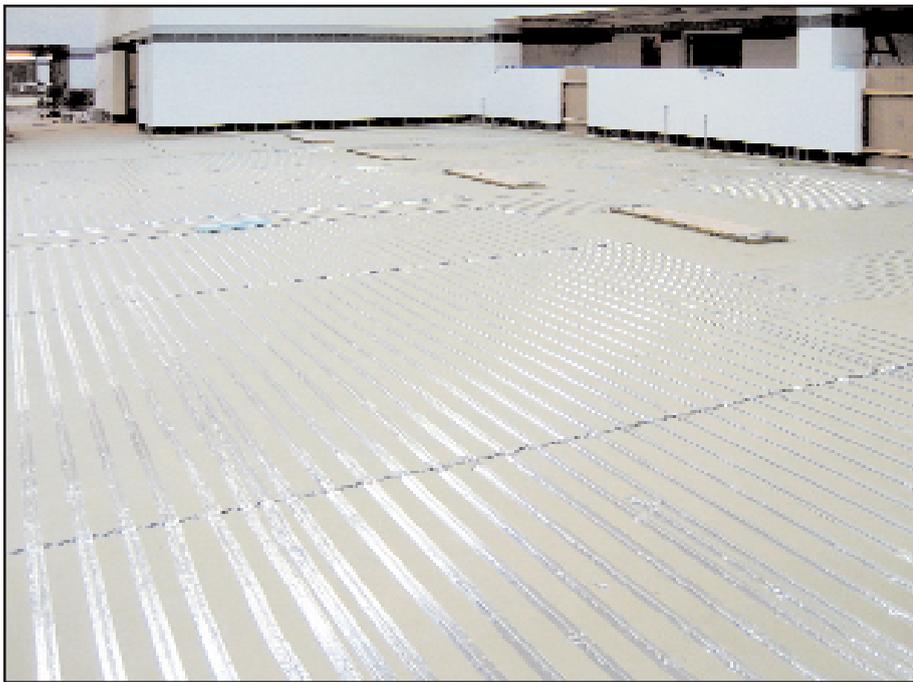
New product warms the toes of BMW employees

WAUCONDA, ILL. — Marking the biggest commercial radiant heat project in the company's history, Delta-Therm Corp. installed its newest product, the 2FW floor warming cable, at BMW North American headquarters' research and training facilities in Woodcliff Lake, N.J.

"This floor warming job uses a sub control that connects back to a building management system," said David Fisher of D.J. Fisher Co., who served as sales representative on the project.

warming system provides energy efficiencies, as each employee's workstation is independently operated. Plus, BMW can control the entire system — and its 300 independent zones or units — remotely.

"BMW can monitor it from China or from wherever," explained Delta-Therm co-owner and president, Tom Slagis, who worked with a team of engineers to determine the best system for the facility. "It's a computer-based



Delta-Therm Corp. installed its 2FW floor warming cable at BMW North American headquarters. After the cable is installed it is covered by aluminum heat transfer tape.

"Employees won't ever get cold feet while working, and the floor warming system is providing a secondary heat source for the expansive, open-air facilities."

In addition to comfort, the floor

system that is connected to whatever network they want to connect to." Using controls from Johnson Controls to activate the cables, the system keeps employees warm so that they can concentrate on doing their jobs.

A key feature of Delta-Therm's new 2FW two-conductor floor warming cable is that it is a zero EMF cable. It does not produce a field of EMF emissions that could interfere with BMW's computers and other electronic devices, an important consideration in today's increasingly electronic workplace.

Installed on the subfloor, the 2FW system is held in place with a strapping system, and it radiates heat through the tile flooring to the feet of employees. "The process for installing two-conductor cable is much like weaving. The cables come with strapping that gets laid down, one piece on either side of the room, and gets worked back and forth like a loom," explained Slagis.

The BMW installation began with a clean, dry subfloor onto which the installers nailed strapping clips approximately two inches from the outer wall. Next, they installed a junction box to house the thermostat. They then snaked the cable back and forth across the room



After the 2FW floor warming cable is laid and taped, German Klinker tiles are installed. These tiles are used in all BMW facilities, and they are installed by hand for precision. The tiles form an effective radiant surface for employees' comfort.

in a pattern recommended by Delta-Therm. They used aluminum heat transfer tape to adhere the cable to the floor.

Unlike a single conductor system, wherein the end of a cable must eventually return to its starting point in order to operate, with Delta-Therm's 2FW product, it's not necessary for the cable to come back to its original starting point. That shortens the installation time and simplifies the initial cable patterning process.

A temperature sensor was installed in the floor, followed by mortar over the strapping and cable. BMW chose to lay German-imported Klinker® tile, the same tile featured in BMW showrooms worldwide, as its flooring surface. Grout and seal were applied in a normal fashion, following the manufacturer's recommendations.

From start to finish, the BMW project took two months to complete; Delta-Therm provided individual drawings for

each zone.

"Delta-Therm designed the exact layout of the entire system," said Fisher. "Each cable was colored and coded by resistance and cable length, which made it very easy to do the installation."

Delta-Therm's 2FW zero EMF floor



warming cable systems come with a 10-year warranty and a thermostat with built-in GFCI for added safety. Cables arrive ready to install with no modifications required and can be used in any room using convenient clips that easily work around fixtures. The 1/8" diameter cable installs tight to the floor in a thin embedded layer.

For additional information, visit www.delta-therm.com.

GeoComfort announces disaster relief program for storm victims

GREENVILLE, ILL. — A rebate program designed to provide relief to Midwestern victims of this year's severe storm sea-



son has been launched by the GeoComfort brand of geothermal heating and cooling systems. The announcement comes in response to severe flooding throughout the Midwest, which resulted in large parts of the region being declared disaster areas.

"When it became apparent that this was not just an ordinary storm season, we felt we had to do something. We are a small company based in the Midwest and we wanted to reach out to our neigh-

bors who have been affected by the flooding, tornadoes and damaging storms and do what we can to help," stated Steve Smith, president of EnerTech Companies, distributors of the GeoComfort brand.

GeoComfort is offering a rebate for those replacing a heating or cooling system destroyed by the storms with a new geothermal heating and cooling system. Qualified homeowners will receive a \$250 rebate. Those choosing to use a participating GeoComfort dealer will receive a total rebate of \$500.

Damage to the old system must have occurred between May 1 and July 30, 2008, with the replacement GeoComfort system purchased by December 31, 2009. For complete details, contact a local GeoComfort dealer or visit www.geocomfort.com.

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Suite 301, 4284 Route 8
Allison Park, PA 15101
412.406.4100 • email: spilka@nautic.com.net
www.georgespilka.com