

January 2015

IN THE LOOP

Winter Radiant Heating Tips

Once properly installed, Infloor Heating Systems require little to no maintenance for decades to come. However, there are small things you can do to ensure your system continues performing at its peak all season long, giving you the best radiant heating experience possible.

- Maintain a two degree differential on the thermostat when using a setback.
- Open south-facing curtains and shades during the day for solar gain.
- Close curtains and shades at night as an extra barrier to keep out the cold.
- Eliminate drafts under doors with weather stripping and/or draft busters.
- Check the batteries in your thermostat regularly.
- Check propane tank levels monthly.
- Keep overhead and bay doors closed as much as possible.

Read the full story on the News page of our website at www.infloor.com/news.

The Radiant Side of Southern California

When you think of southern California, what comes to mind? Sunshine, palm trees, beaches, warm weather... and radiant heating? Absolutely! With mild temperatures year round, homeowners and businesses there are enjoying radiant heating in a variety of ways that add additional comfort to their everyday lives.

Mayo Mechanical, from Laguna Beach, CA, is making radiant dreams come true, specializing in custom heating and cooling applications for the past 30 years. David Mayo, owner & operator, said that about 80% of their radiant heating installations are for floor warming. "One of the best things about radiant heating is that it heats

the space where people live, instead of where they don't. Warm air doesn't work well because it is buoyant. Heat doesn't rise, warm air does," he identified.

Dave said select floor warming is more common in southern CA, than whole house primary space heating. The focus is on the places where people spend the most time, such as master bedrooms and bathrooms, kitchens, and recreational areas. With such great weather regularly, people use their outdoor space throughout the year as well. "Outdoor entertaining happens all year long here," said Dave. "Radiant heating creates a warm, inviting experience outside too."

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Infloor's Top Focus Areas for 2015

The New Year brings another opportunity for us to refocus our direction, and highlight our top priorities for the year. While there is always much to do, these are the major areas we'll be focusing on in 2015.

► Enhance Customer Connections

We value the relationships with our customers, and aim to stay more connected with the people installing, distributing, and using our products, as well as provide more options for feedback and ongoing conversations.

► Maximize Energy Efficiency with Smart Technology

We aim to incorporate energy management controls into all of our radiant heating systems, in order to ensure we have the most energy-efficient systems on the market, which reduce operating costs and provide comfort and peace of mind.

► Ensure Good Radiant Fundamentals

We're getting back to basics this year when it comes to radiant heating fundamentals. We aim to have all of our systems installed properly so they can perform at their very best. Specific focus areas include initial quality designs and the use of our design software LoopCAD, tube and wire spacing, proper insulation, and system serviceability.



Respond by 1/31

We Value Your Feedback!

Let us know what you think about Infloor Heating Systems, and be entered for a chance to win a \$50 American Express gift card. Complete the survey by 1/31. The winner will be announced in February.

2015 Customer Survey
Thank you for your thoughts & time!

INFLOOR
HEATING SYSTEMS

www.infloor.com (800) 608-0562 info@infloor.com

Take our Survey!
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The Radiant Side of Southern California Continued



With the ability to spend so much time outdoors, outside recreation areas become an extension of their homes featuring kitchens, fireplaces, bars, living areas, and of course, pools and hot tubs. Hydronic radiant heating systems installed under the stone and pavers that floor these areas gives them a warm, comfortable feel that is otherwise invisible. Restaurants utilize it for patio warming, giving their customers an extra comfortable dining experience they can feel, but can't see.

"The limitations aren't as narrow as you may think with these low-intensity heating systems," said Dave. "We install multi-temperature hydronic systems, which will heat two patios running on four different water temps, ranging from 120 - 140 degrees," he said. They have installed 4-pipe systems that also provided heat for the pool, and a geothermal system that had a mile of piping stretched out of 4,000 linear feet.

Other unique projects Mayo has done includes using hydronic radiant heating to heat a Turkish spa, a stone massage table kept at 100 degrees, staircases, and

benches. Dave said in some areas of the state, there are laws that require the use of a snow melt system, such as if a driveway exceeds a certain incline.

If designed and installed properly, hydronic radiant heating systems are virtually maintenance free, easily serviceable, energy-efficient, and built to last. "The mechanics are the engine of a radiant heating system. Encased tubing will live as long as the building if left undisturbed," Dave shared. "We design our systems to be as efficient as possible, and with great care. And while a good system shouldn't require much maintenance, they should always be designed to be serviceable," he said.

Mayo Mechanical has been working with Infloor Heating Systems for the past 20 years. "They have been very good to us over the years," Dave shared. "They have provided training and support, and supplies we need for the job. Their support has been among their greatest attributes. I owe so much of my experience to Infloor," he said. "We have a mutual relationship of respect. They value us, and we value them."



Mayo Mechanical Project Highlight (pictured) - Shady Canyon, CA: This modern Tuscan villa, with a grand 180-degree view, was adapted with a high-capacity hydronic patio warming system. There are three independent warming zones around the pool utilizing 1/2" INFLOOR BPEX tubing, spaced at 4"-5" O.C., with high output aluminum heat transmission plates, which is heated by an Elite #EL-220 (220,000 BTU) boiler. A unique aspect of this installation is the integration of the hydronic INFLOOR deck warming system with 50,000 BTUH of waste heat generated by a natural gas fired electric fuel cell unit. Later, the fuel cell and Infloor hydronic deck warming system was configured to divert the 50,000 BTUH of waste heat to an indoor spa when the high-capacity deck zones are not operating.