

Infloor®

BRINGING HOME THE COMFORT



INFLOOR SHOWCASE

Timeless Style
Meets High-Tech
Comfort in Wisconsin

Custom Infloor
for Every Climate



The Making of a Superior
Home in Colorado

INFLOOR
HEATING SYSTEMS

In planning their new home, this Wisconsin couple knew
For timeless style, they chose French Country. For pure comfort,

A perfect Blend of



"Once you've had Infloor®,
there's no going back. We
wouldn't have another
home without it."

—The homeowners

The Wisconsin Home

Home size: 4800 sq. ft. total on upper floors, with 2500 sq. ft. basement.
9000 lineal feet of 1/2" BPEX Infloor tubing

Location: Milwaukee area
Architect: Paul Schultz, AIA
Builder: MD Properties

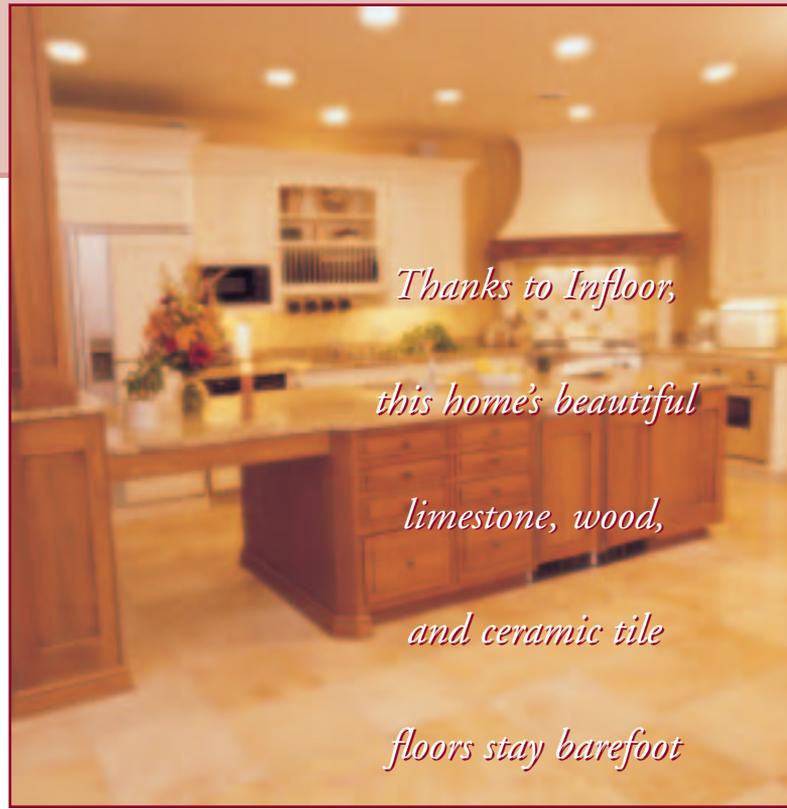


Infloor Dealer: Tom's Heating
Therma-Floor Dealer: Acoustical Floors of Wisconsin
Infloor Sales & Service Center: Maxxon Great Lakes

exactly what they wanted.
they chose Infloor® Heating.

There was never any question about the style of their new home. For this couple, the warmth and charm of French Country offered everything they had envisioned — and their completed home is as inviting as they dreamed it would be.

There was never any question about their choice of heating system, either. Infloor's superior comfort and consistent, even heat were benefits the couple was already familiar with. "We had Infloor® in our previous home, and once you've had Infloor, there's no going back," they commented. "We wouldn't have another home without it."



*Thanks to Infloor,
this home's beautiful
limestone, wood,
and ceramic tile
floors stay barefoot*

Style and Comfort.

Invisibly working inside the floor (Infloor requires no baseboards or ductwork), Infloor provides the added measure of comfort that makes this home feel just as cozy as it looks — even in the depths of a Wisconsin winter. That's because Infloor warms from the floor, concentrating heat near people, furnishings and walls — and eliminating drafts altogether.

At the heart of the system you'll find Infloor BPEX tubing, surrounded by a layer of Therma-Floor® — Infloor's own thermal mass. In addition to its ability to evenly distribute heat, Therma-Floor also provides for smooth transitions between floor coverings of different heights.

Design considerations also made Infloor the natural choice. "We were able to use floor coverings that wouldn't have been practical with a forced air system — they'd just be too cold," the couple shared. "With Infloor, the limestone floor in the sunroom and wood floors in the dining room and library are always beautifully warm. Even carpeted rooms are that much cozier with Infloor." They also appreciate the health benefits and freedom of furnishing placement Infloor allows. "With Infloor, there aren't any ducts or baseboards. That means there's no blowing dust or allergens, and you can put your furniture wherever you like."

All in all, the homeowners sum up their preference of Infloor quite simply. "If it weren't for the wonderful, even heat, you'd almost forget it's there." **INFLOOR**
HEATING SYSTEMS

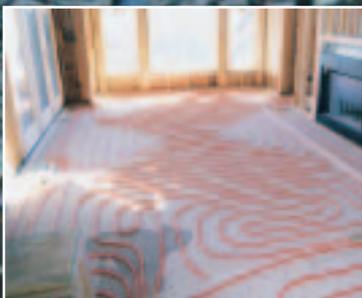
*warm and
wonderful.*



A Rocky Mountain Retreat: INFLOOR® Turns up the COMFORT



Infloor BPEX Tubing covers all available floor space, eliminating cold spots.



Tubing is concentrated in areas of high heat loss, such as patio doors and windows.



Therma-Floor® is installed to provide the ideal thermal mass.



Multiple, staged boilers respond to the system's heating requirements.

standing proudly in the foothills of the Rockies, uses Infloor® Radiant Heating throughout the entire home.

You'll even find Infloor at work outside — in its heavy-duty Snowmelt System application — effortlessly keeping the 10,240-square-foot driveway free of ice and snow. The snowmelt control system sends a warm propylene glycol solution through the tubing to melt ice and snow before either can accumulate, providing added safety and convenience.

At this magnificent home just outside of Denver, everyone coming in from the cold will be guaranteed a warm welcome. The 16,000-square-foot retreat, Due to its rapidly growing popularity in the Rocky Mountain area, the owner had heard about radiant floor heating's benefits and knew it was the heating system he wanted for his new home. After talking to other radiant homeowners, he was referred to Infloor heating, available through Hi-Valley Pump and Supply and their local dealer, Mile High Efficiency. Both companies have excellent reputations and rely on Infloor to maintain their respected status in the field.

So let the thermometer drop and the snow fall. Thanks to Infloor, everyone in this home is guaranteed to stay comfy and cozy no matter what the weather brings. **INFLOOR**

in COLORADO



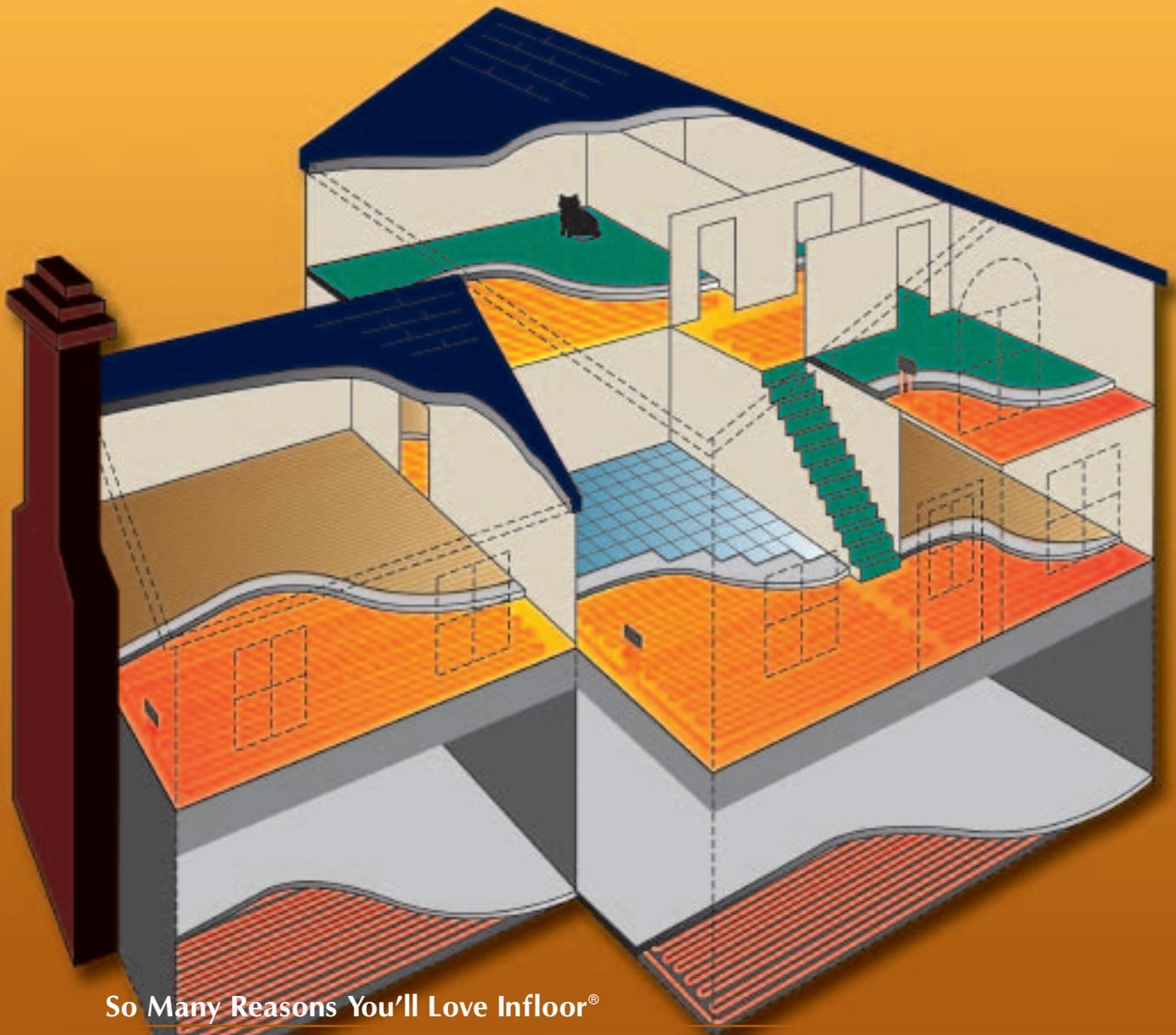
Infloor® BPEX Tubing will keep this driveway free of snow and ice.

The Colorado Home

- Interior System:** 16,000 sq. ft., using 10,000 lineal feet of 3/8" BPEX Infloor® tubing on 6" centers
- Exterior Snowmelt:** 10,240 sq. ft., using 13,500 lineal feet of 3/4" BPEX Infloor tubing and 40 Infloor Commercial Circuits
- Architect:** Westwind, Denver
- Infloor Dealer:** Mile High Efficiency
- Infloor Wholesaler:** Hi-Valley Pump & Supply Co., Inc.
- Therma-Floor Dealer:** Construction Systems, Inc., Denver
- Infloor Sales & Service Center:** Maxxon Southwest, Inc., Dallas



So Many Reasons



So Many Reasons You'll Love Infloor®

- Concentrates heat at the floor, warming people and objects
- Reduces energy costs by reducing heat loss
- Warms without drafts and erratic temperature fluctuations
- Creates a quieter home
- Eliminates circulation of dust
- Eliminates unsightly baseboards, hot-air registers and cold-air returns that interfere with furniture placement
- Provides smooth transitions between floor covering of different heights, eliminating toe-stubbing, uneven floors
- Backed by the authorized Infloor installer network
- 25-year warranty on tubing; 1-year warranty on mechanicals

You'll Love Infloor®

Quality Components

The Heart of the Infloor System.

What's in a name? When the name is Infloor®, plenty — including quality-assured, proven components. From controls to mixing valves to high-strength PEX tubing, Infloor components are engineered and tested for superior performance.

Infloor quality goes beyond components as well. Authorized Infloor technicians will design a system that meets your home's specific heating needs, and provide custom installation to assure your system is fine-tuned for maximum efficiency. Add to that a warranty honored worldwide, and you've got a system created entirely for dependability.

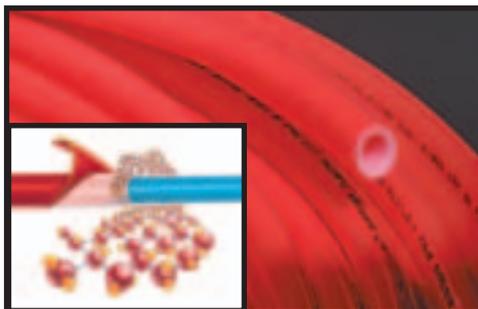
Our innovative thinking isn't limited to heating alone. We've also developed a new potable water system using Infloor Crosslinked Polyethylene Tubing (PEX/BPEX). As a cost-effective alternative to copper pipe, Infloor Tubing's light weight and flexibility makes installation easy. It requires fewer fittings in walls, provides excellent freeze resistance, and remains safe and non-corrosive in concrete slabs. Overall installation costs are lower, too.

Remember, just because it's "in the floor" doesn't make it Infloor. Be sure your home gets the authentic, original Infloor® radiant heating system.

And join the homeowners across North America and abroad who've discovered the comfort and value of Infloor.



Infloor Tubing — Built to Last. The superior quality and reliability of Infloor PEX and BPEX (oxygen barrier) tubing starts at the molecular level. "Cross linking" creates bonds between individual molecular strands, resulting in a tube with maximum temperature and chemical resistance.



Tubing Standards & Listings: ASTM F876, ASTM F877, ASTM F1807, NSF-PW, ICBO ER-5136, DIN 4726



Infloor's modular manifolds are centrally located within each heating zone. Like all Infloor components, Infloor manifolds are designed and constructed to ensure long-term performance and reliability.

Infloor-to-Go™ — Planning Ahead for Comfort.

Nationwide, more and more homeowners are choosing radiant heat. Now, Infloor-to-Go™ makes it easier than ever to incorporate Infloor into your building plans.

Infloor-to-Go™ is the ideal solution for homeowners who want Infloor eventually, but need to scale back on initial construction costs. With Infloor-to-Go™, the tube is installed and covered with concrete at the time of construction, leaving installation of other hardware and controls for a later time. By incorporating the tubing during initial construction, efficiencies are maximized and the homeowner can complete the system whenever schedule and budget permit. With Infloor-to-Go, your basement will be ready for Infloor whenever you are.

Of course, it's never too late to add the comfort of Infloor. Your Infloor installer can show you how easy it is to include Infloor in any remodeling project — from a one-room addition to a complete renovation.

Questions & Answers

THE INFLOOR® TECHNICAL SUPPORT STAFF ANSWERS YOUR QUESTIONS ABOUT INFLOOR

Q We plan to have carpet in several rooms of our new home heated with Infloor®. Are there any special carpet installation requirements we should be aware of?

A Carpet and Infloor work beautifully together, so carpet to your heart's content! Our only tip is to be sure to use a low R-value carpet cushion to allow proper heat transfer from the floor. The ideal carpet cushion is available through Infloor. To order, talk to your local Infloor installer or call 1-800-588-4470.

Q Our interior designer has selected a variety of rustic stone floor coverings, none of which are as smoothly finished as traditional ceramic tile or marble. We love the look, but are they compatible with Infloor?

A Feel free to be as creative as you and your designer want to be. All stone-type floor coverings, from the traditional ceramic and marble to rough-cut slate and granite, provide the ultimate in heat conductivity. They're also where Infloor's benefits are most obvious.



Q We're building our new home with Infloor heating and wood flooring in most of the main floor rooms, but we're not sure whether we'll use solid hardwood or laminate flooring yet. Do you have information on installation options?

A You bet! Generally speaking, wood floors can be installed using a floating floor, glue-down installation method or a wood sleeper system (see illustrations and photos below).



Q What about air conditioning?

A Most often a separate air-conditioning system is installed. This could be a simplified central system or a split system with strategically placed units. The advantage is zoned cooling. Using zoned cooling and placing air registers in the ceiling (where they should be), will result in summer energy savings.

Q What is the possibility of my Infloor® System freezing? Should I put anti-freeze in the system?

A Anti-freeze isn't needed in most systems unless the system will be

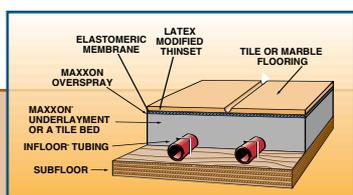
shut off for extended periods of time under freezing conditions, in a cabin or second home, for example. Usually the system is left running at a lower thermostat setting when the building will be unoccupied for short periods of time.

Q What kind of construction applications may I install the tubing in?

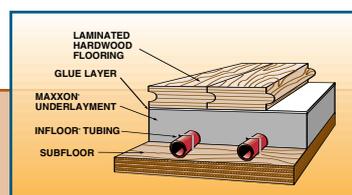
A Tubing may be installed in any kind of application, whether it's directly in concrete, stapled under a floor, attached to existing concrete, or stapled to a wood subfloor and covered with a Maxxon® approved underlayment or tile bed.

Q Will the load-bearing capacity of the floor need to be increased when Infloor Heating is used?

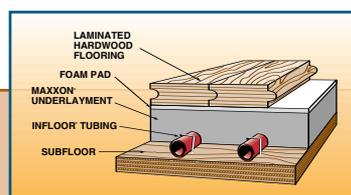
A The Maxxon approved underlayments weigh the same as a typical tile bed. The structural floor should be adequate to withstand design loads with a deflection limitation of L360. So in most cases, the load bearing structure will not need to be altered to accommodate Infloor Heating.



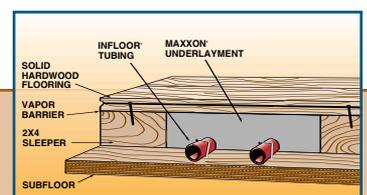
Tile over Infloor Heating



Laminated Wood Floor over Infloor Heating



Floating Wood Floor over Infloor Heating



Wood Floor Sleeper System over Infloor Heating

Infloor® — the Cure for the Common Cold Floor



Once you've experienced Infloor comfort, it's hard to live with anything else. With forced air or baseboard systems, warm air enters the room from fixed points along the walls and quickly finds its way to the ceiling. This results in erratic, inconsistent temperature fluctuations throughout the room, and a greater potential for heat loss at the ceiling and along exterior walls. If you lived on the ceiling that might be tolerable, but since most of us are bound by gravity, the ideal heating system is one that concentrates heat where you live — near the floor.

That's precisely how Infloor works. It uses the entire floor as a radiator, surrounding people and objects with heating comfort — and concentrating that comfort near the floor. The temperature throughout the room remains nearly constant. This factor alone reduces heat loss by up to 25 percent when compared to similar homes using conventional heating methods. **INFLOOR**



Without Infloor
Erratic temperature fluctuations and wasted heat energy at the ceiling.



With Infloor
Constant, even heat, concentrated at the floor for greater comfort.

CUSTOM COMFORT FROM COAST TO COAST: Infloor® Applications for Every Climate.



Location: Beaver Lake, AR
Infloor Dealer: Heating and Cooling Concepts, Inc.
Therma-Floor Dealer: Gypsum Floors of Arkansas

North, South, East and West — that's where you'll find Infloor® Heating Systems at work, providing superior comfort in a variety of climates and building applications. Design flexibility, ease of installation, reliable components, and the superior service of Infloor technicians make Infloor the ideal choice for any home, in any part of the country.



Post tension concrete slab

Infloor warms you from the floor up — turning every floor in your home into a super-efficient radiator. Heat is generated by any hot water source. In addition to its constant, even heat, Infloor accommodates a wide variety of floor systems and floor coverings.

As more and more homeowners and builders across the nation can attest, Infloor comfort knows no boundaries! **INFLOOR**



Location: Dallas/Fort Worth area, TX
Infloor Dealer: Home Heating Systems
Therma-Floor Dealer: Gypsum Floors of Texas



Timber frame home



Location: Big Lake, MN
 Infloor Dealer: Dutch, Inc.
 Therma-Floor Dealer: Acoustical Floors, Inc.



Location: Seattle, WA
 Infloor Dealer: The Janes Company, Inc.
 Therma-Floor Dealer: Janes Gypsum Floors, Inc.



Location: Philadelphia, PA
 Infloor Dealer: McLarnon Mechanical
 Therma-Floor Dealer: American Floor Systems, Inc.



Location: Knoxville, TN
 Infloor Dealer: Smith & Associates
 Therma-Floor Dealer: The Sharp Companies

For Radiant Heating Expertise, No One Covers the Country Like Infloor.®



From coast to coast and climate to climate, you'll find homeowners enjoying the ultimate heating comfort of Infloor® Heating Systems. You'll find our Infloor experts across America, too, providing custom radiant heating design tailored to your area's climate and construction methods.

Our seven regional Infloor Sales and Service Centers and their authorized dealer/installers provide prompt design and technical support, and attentive service long after initial installation. But that's not all. They'll also provide expert information on properly installing your valuable floor goods over Infloor. So your floor goods investment will last the lifetime of your home. It's all part of the Infloor commitment to superior heating comfort and customer satisfaction.

Remember, just because it's in the floor, doesn't make it Infloor. So be sure to specify Infloor — the name that's become the definition of quality in radiant heating systems.

INFLOOR
HEATING SYSTEMS

The most comfortable, efficient heating systems you'll never see

For the Infloor experts nearest you, call
1-800-588-4470

www.infloor.com • E-mail: info@infloor.com

Another Superior Product from Infloor® Radiant Heating, Hamel, MN
1-763-478-9660 • Fax: 1-763-478-9669

Infloor comfort comes with a variety of system options, including:

- PEX Plumbing • Snowmelt Systems • Warm Floor Kits • Infloor-to-Go™ — makes any slab ready for Infloor completion, whenever you're ready