

REHAU®

REHAU Radiant Heating Systems



A warm welcome

REHAU Radiant Heating Systems



*Discover
the comfort*

Your home provides an escape from this busy world. It's a place to build memories with family and friends. Shelter from the storm.

As you build a new home or renovate your current one, give careful thought to your home heating system. Radiant heating provides warm, gentle heat unmatched in comfort, efficiency and flexibility.

REHAU's radiant heating system works by circulating warm water through a network of pipes placed in the floor. Heat is gently radiated upward, warming the objects in the room rather than the air to create a comfortable environment.

Radiant heat is the healthy, clean choice

- Does not dry air like conventional systems.
- Keeps floors warm and dry, inhibiting growth of mold and mildew.
- No noisy fans or blown air to distribute dust and other allergens.

The power of possibility

Radiant heating can be installed in a single room or throughout your home. There are no heaters, radiators or vents—giving you more design freedom and open space. It's a great choice for today's open floor plans, especially in areas with high ceilings.

A variety of heat sources can be used, including boilers, geothermal heat pumps, solar collection systems and water heaters.



Energy efficient

Radiant heating warms the objects in the room, not the air. This allows thermostats to be lowered as much as 4°F without sacrificing comfort levels. These lower operating temperatures can reduce fuel consumption, typically saving between 20 and 30 percent per year in heating expenses.

Room-to-room control

It's easy to zone the system using multiple thermostats. This allows you to adjust temperatures in a single room or a group of rooms, based on activity and usage levels. For example, a guest room over the garage can be kept at a lower temperature when not in use.

Delivering outstanding performance

- Economical—can reduce operating costs by up to 30 percent
- Safe—no hot surfaces to burn skin or fabrics
- Invisible—no bulky appliances, registers or ventilation ducts
- Low maintenance—no ducts to clean or filters to change

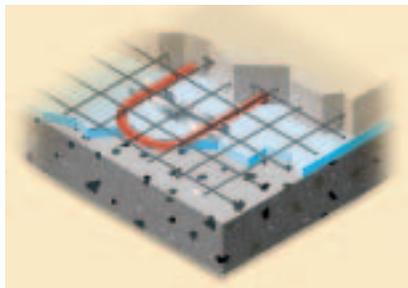
*A warm floor
is a warm
house*



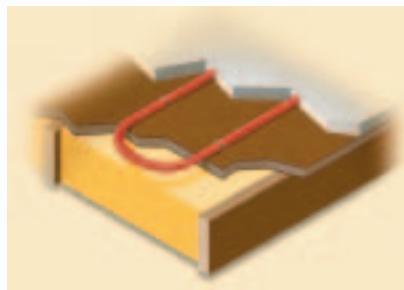
Installation options to suit your project

RAUPEX® pipe can be installed using a variety of techniques, depending on the construction method.

Most common in new homes, poured installations involve either pouring gypsum-based concrete over RAUPEX pipes, or placing pipes in a concrete slab. When the system is activated, warm water circulates through the pipes and the concrete is warmed. The floor retains the heat and evenly distributes the warmth throughout the room.

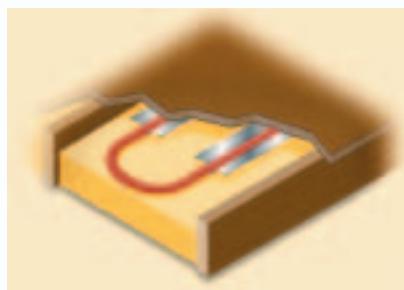


Pipes can be installed in a normal concrete slab, either on or below grade, usually with no design changes to the slab.



Pipes can also be installed above suspended wood floors and encased in a thin slab overpour, usually 1.5" thick.

When a poured floor just isn't practical, such as when remodeling an existing room, RAUPEX pipes can be installed under a suspended wood floor, with pipes placed in the joist space. Heat transfer plates are then used to evenly distribute the heat.



In some structures, it is more convenient to install RAUPEX pipes under a suspended wood floor, with pipes located in the joist space.



RAUPANEL is a great option for retrofit and new construction applications because it is installed without the concrete overpour.

However, these are not the only possibilities for radiant. Don't overlook other "panels," such as walls and ceilings, which make ideal radiant surfaces. With the proper design techniques, you'll enjoy a highly effective radiant system when PEX piping is placed within a stud wall or ceiling. These other surfaces can provide a perfect solution for retrofit radiant systems and rooms with floor areas that are too small to handle the heat load.

From hardwood to tile, we've got it covered

Radiant heating systems are compatible with a variety of floor coverings, including hardwood, carpet, vinyl, ceramic tile and marble.

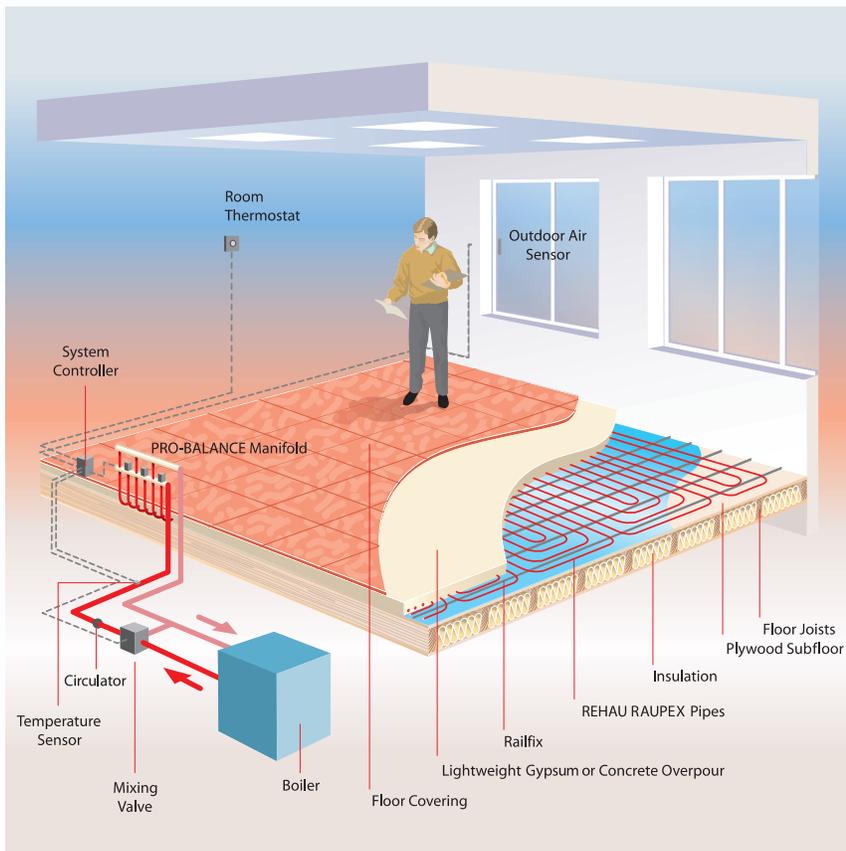
It's important to let your contractor know what type of floor covering you plan on installing so that you can achieve the maximum benefit from your radiant system.

Get into the groove with RAUPANEL™

Whether you're renovating a single room or building a new home, REHAU's innovative RAUPANEL system is ideal because it is installed without a concrete overpour.

The system is placed directly on top of the subfloor and RAUPEX pipe snaps easily into grooves in the panels. RAUPANEL is compatible with all commonly used floor coverings, including carpet, ceramic tile and hardwood.

This patented system offers optimal performance and responds quickly to heating requirements.



This illustration demonstrates how a typical system works.

Leading the field for more than 35 years

*Your family
deserves
the best*



REHAU has an established history of quality based on more than 35 years of experience in the design and manufacture of radiant heating systems.

We pioneered PEX

The main component of REHAU's system is RAUPEX® cross-linked polyethylene (PEXa) pipe. In 1968, REHAU pioneered PEX with the introduction of the first PEXa pipe. This means when you're dealing with REHAU, you're dealing with an industry leader.

With RAUPEX pipe, you'll have the comfort of knowing that there are over a billion feet already installed in homes just like yours. In addition, REHAU offers a 25-year limited warranty on our pipe and fittings.

The EVERLOC® connection

REHAU's EVERLOC fitting system provides a reliable, permanent connection. EVERLOC is well known for its strength, dependability and ease of use.



Installation seals the deal

Installing a radiant heating system is definitely not a weekend "do-it-yourself" project. The proper installation of these systems requires the help of a professional installer. REHAU strongly recommends working with a contractor experienced in the design and installation of radiant heating systems.



Get the glow

For more information, visit us online at www.REHAU-NA.com/Heating. For a dealer in your area, click on www.REHAU-NA.com/Dealer.



More solutions for a comfortable, healthy home

The same quality products and innovative technology used in our radiant heating systems are also the foundation of these smart solutions.



Say "no" to snow

Imagine never having to shovel snow again. Snow and ice melting systems provide a safe and reliable way to keep outdoor areas clear of snow and ice. They're configured much like our radiant heating systems, except they are installed underneath driveways, sidewalks, patios and carports. With proper design and installation, REHAU's systems provide long-term performance and reliability.



The pure water promise

REHAU's PEXa plumbing system is certified by NSF and CSA International.

RAUPEX plumbing systems not only provide economy and long life, but your family will also enjoy the benefits of a quiet, dependable system that delivers clean, pure drinking water.

Residential fire protection

REHAU's residential fire sprinkler system improves protection against injury, loss of life and property damage. The system can be integrated with the home's cold water plumbing.



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