

RADIANT FLOOR HEATING

**EVERYTHING YOU NEED TO KNOW
ABOUT HEATED FLOORS**



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7 Reasons Why Radiant Floor Heat Offers Superior Comfort

Radiant floor heat provides superior comfort over alternative heating systems. Here's why:

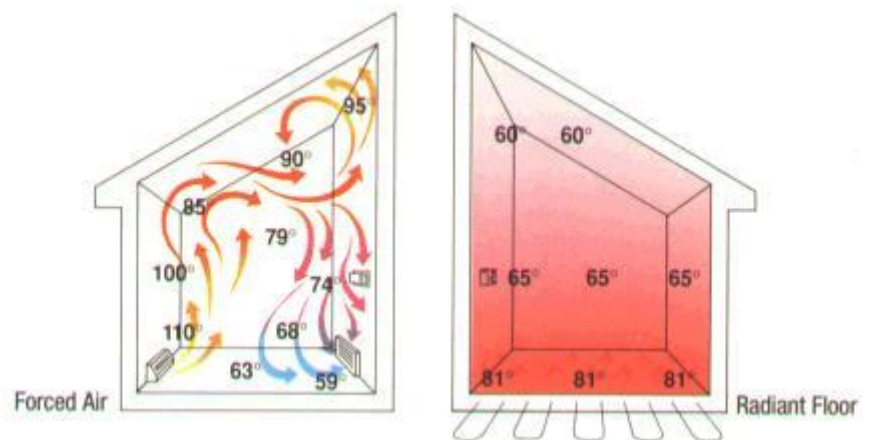
Reason #1 – Attracted to People and Pets

Like the sun's soothing warmth on a cool day, radiant floor heat is attracted directly to people, animals & objects.



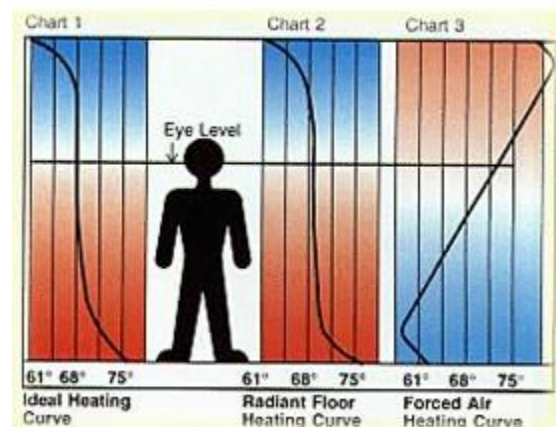
Reason #2 – Warms the body, not the ceiling

Radiant floor heat directly warms the body so it feels warmer than forced-air or convective heat. Convective heat warms the air which rises to the ceiling where it provides little comfort.



Reason #3 – Ideal Heat Pattern

Radiant floor heat reverses the typical temperature stratification. It warms the body from the floor up, unlike forced air heat that leaves the legs and feet cold.



Reason #4 - Quiet

Radiant floor heat is totally quiet. There are no noisy fans blowing warm air into the room.



Reason #5 – No Drafts

Radiant floor heat is not drafty because there are no fans blowing air.



Reason #6 – Individual Room Heating

Radiant floors can be installed to increase comfort in individual rooms: kitchen, bath, basement, colder rooms above the garage or crawl space, rooms with a fireplace or sliding doors and room additions.



Reason #7 – Low Installation & Operating Cost

Finally, it is most comforting to know that radiant floor heat is as or more affordable to install and operate than forced air furnaces, heat pumps, hydronic and geothermal heating systems.



Electric Floor Heat: \$-\$\$



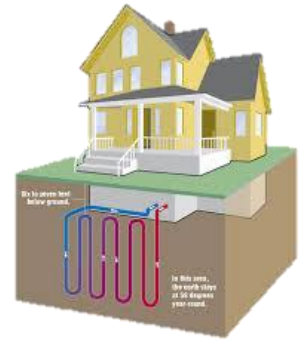
Furnace
\$\$\$



Heat Pump
\$\$\$



Hydronic
\$\$\$



Geothermal
\$\$\$\$\$*

*Reflects high installation cost

3 Reasons Why Radiant Floor Heat is Healthier

Reason #1 - Cleaner

Radiant floors are cleaner, healthier and hypoallergenic because they eliminate the need for carpet, the main harbor of dirt, dust mites and allergens; and because there are no fans blowing and circulating dust around the home.



NO DIRTY CARPETS



NO DIRTY VENTS



NO DIRTY DUCTS

Reason #2 – Reduces Mold

Radiant floor heat helps to eliminate mold and mildew in bathrooms and showers.



THIS



NOT THIS

Reason #3 – Maintenance Free

Electric radiant floors are maintenance free so there are no dirty filters to change. Like the wiring in the home, once installed, electric radiant floor heat lasts indefinitely.

So set it and forget it!



NO FILTERS TO CHANGE

6 Reasons Why Radiant Floor Heating Saves Energy

Radiant floor heat reduces building heat load by 25% and saves energy as much as 40% or more. Here's why:

Reason #1 – It Feels Warmer

Since radiant floor heat is attracted to people and objects, and warms the body from the floor, radiant heat feels 6-8 degrees (F) warmer than forced air.



Utility providers publish potential energy cost savings of 3-5% for every degree the thermostat is turned down.

Reason #2 – No Ducts or Pipes

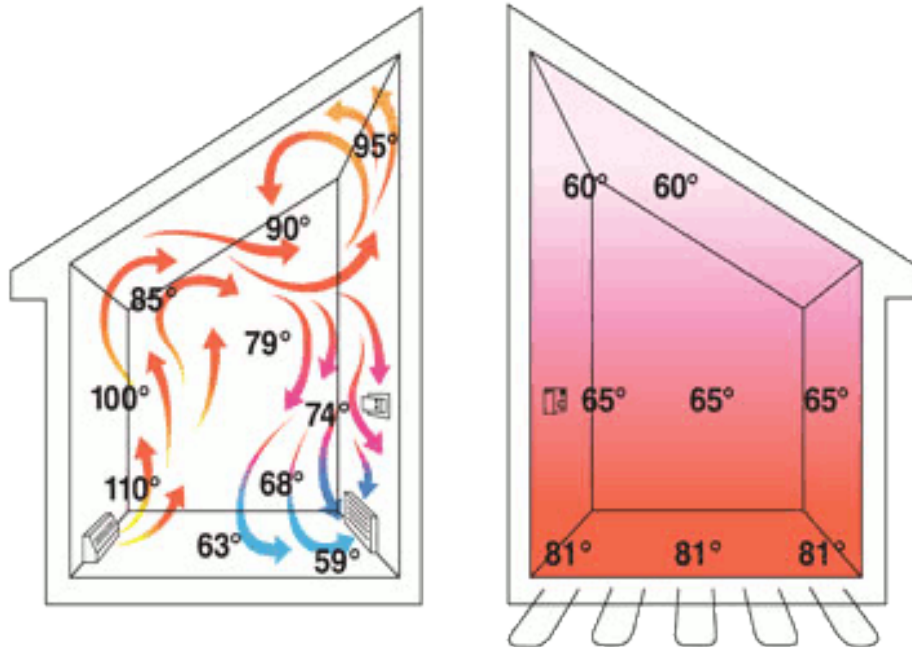
Radiant floor heat is not blown through the ductwork or pumped through piping.



The USDOE estimates as much as 35% of heat loss occurs in the duct system or piping.

Reason #3 – Not All Heat Rises

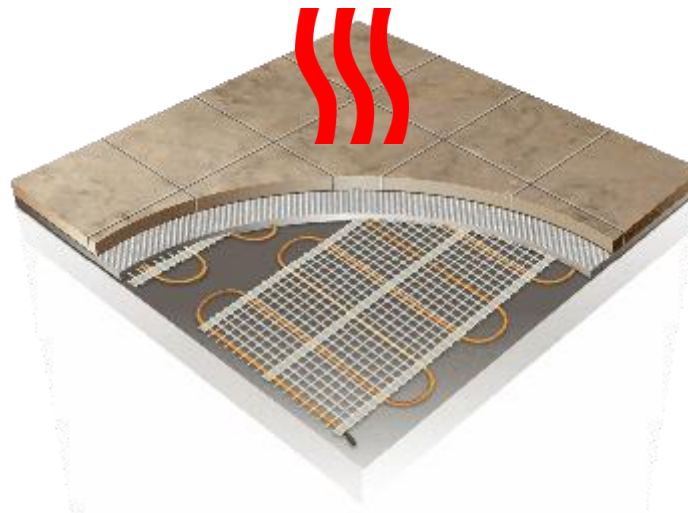
Warm air rises. Radiant heat does not. Since radiant floor heat does not directly warm the air, it does not rise to the ceiling where an enormous amount of convective heat is wasted.



Natural gas furnaces, heat pumps, geothermal heat pumps and baseboard heaters are all convective systems that blow warm air as their primary heat transfer medium.

Reason #4 – 100% Energy Utilization

100% fuel energy utilization – Radiant floor heat utilizes all the electrical energy to create warmth directly under the floor. No energy is expended operating fans or pumps and no heat exhaust is lost up the flue.



The highest rated natural gas furnaces cannot achieve 100% fuel energy efficiency.

Reason #5 – Reduced Air Infiltration/Exfiltration

Radiant floor heat significantly reduces heat loss due to air infiltration because superheated warm air from a furnace or baseboard heater is not blown against the walls which increases the temperature differential between inside and outside creating a stack effect that sucks in cold outside air as shown in the photo below.



This is another reason why radiant floor heat reduces outside dust and allergens.

Reason #6 – Individual Room Operation

Radiant floor heat can be easily installed in individual rooms to prevent turning up the house thermostat just to heat the one or two rooms in immediate use or to compensate for a cold room.



Floor Heat Program Reduced



Floor Heat Programmed On

Significant savings potential exists in heating rooms according to usage and preference. Energy savings is maximized using state-of-the-art, programmable floor thermostats in each room.

6 Reasons Why Radiant Floor Heating is Easy to Install

1. There are (3) Easy Installation Approaches:

A. Contractor Install

If you prefer, we will coordinate everything with your contractor or refer you to one.

What could be easier?



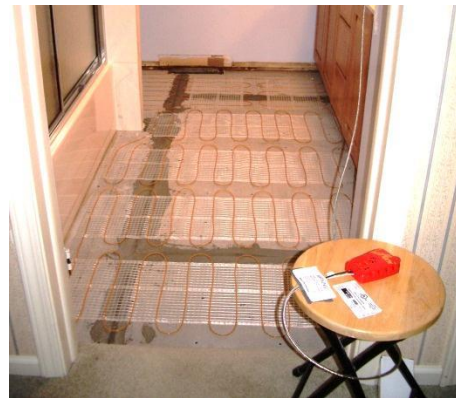
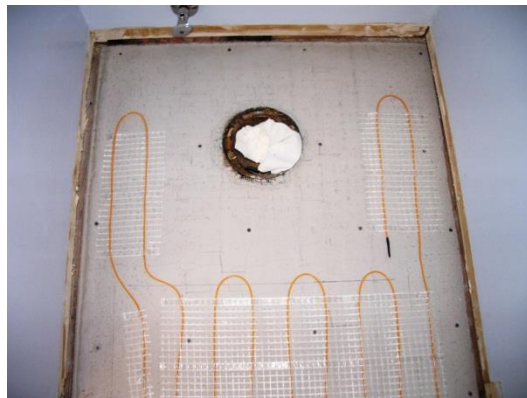
B. Do- It –Yourself Install

If you are so inclined, our friendly floor heating experts will guide you through the process.



C. Shared install

You do part and let the professionals do the rest. You can prepare the subfloor, layout and secure your floor heating system and call in the flooring installer to install your floor and the electrician to make the electrical installation and connections.

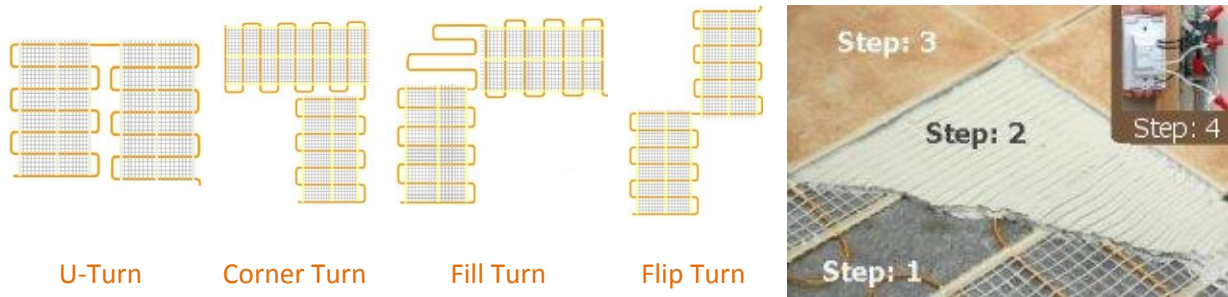


Customer installed ThermoTile® mats in a bathroom and connected mat lead wire to the InstAlarm® installation monitor. The floor is ready for tiling by a contractor.

2. Floor heating “mat” systems reduce installation time and effort.

ThermoTile® is a modern “mat” system where the floor heat cable is factory spaced on a mesh for quick and easy rolling out and attaching to the subfloor. The mesh is easily cut with scissors for turning the mat to fit the floor.

ThermoTile’s mesh also allows the thin-set mortar to penetrate the mesh and adhere the tile to the subfloor in 3 easy steps.



3. Floor heat underlayment “pads” eliminate cement.

Modern heated underlayment “pads” are now available that do not require imbedding in cement. ThermoFloor® Heated Underlayments are specially designed for heating laminate and engineered wood floors. ThermoFloor replaces generic underlayments and offers additional benefits including insulation, noise reduction and moisture abatement. Simply roll out the pads and lay the floor.



Roll Out Heat Pads



Run Lead Wires, Tape Seams



Lay Flooring

4. Electrical radiant floor heat offers maximum installation diversity.

Thermosoft's modern electrical radiant floor heat systems have been designed for installation:

- In individual rooms or the whole house.
- When remodeling or during new construction.
- Under any type of floor covering.



5. Easy Thermostat Connections

Your electrician will appreciate that everything connects easily to the floor heating thermostat: household power line, floor heating mats and floor heat sensor.



6. Cold floor today – warm floor tomorrow.

Thermosoft's modern floor heat systems facilitate installing a heated floor in as little as one day!

7 Reasons Why ThermoSoft® is Your Best Choice

Whether you need a warm floor in your bathroom, kitchen, family room, basement, bedroom or any other room, our friendly floor heating experts will gladly explain your options for getting a warm floor in the shortest amount of time and as economically as possible.

Our Commitment is to Provide You with:

<p>Expertise</p>	<p>The expertise of a fully integrated, designer and manufacturer dedicated to providing the most advanced electric radiant floor heating systems.</p>
<p>Personal Service</p>	<p>Friendly, personalized service and technical support from knowledgeable, company-trained, floor heating experts that will review your project and options.</p>
<p>USA Quality</p>	<p>High quality, energy saving, easy-to-install, electric radiant floor heating systems that are made in the USA and certified to comply with all UL safety standards and the National Electric Code.</p>
<p>Reliability</p>	<ul style="list-style-type: none"> • The reliability of a 19 year old company • Rated A+ by the Better Business Bureau • With over 1.5 million satisfied customers • With millions of square feet of radiant floor heat installed • A Money Back Guarantee • A Limited Lifetime Warranty on our best-selling floor heating system
<p>One Stop Shop</p>	<p>Electric radiant floor heating systems for every type of floor and a wide selection of thermostats, installation tools, accessories and everything needed for your project.</p>
<p>Fast Service</p>	<p>Heating systems that are manufactured to stock for immediate shipping to meet your demanding project timetable including expedited shipping options.</p>
<p>Support</p>	<p>Professional, live, technical support on all our radiant floor heating systems:</p> <ul style="list-style-type: none"> • For a lifetime • From our Vernon Hills, IL headquarters • 8 A.M. to 10 P.M. • 7 days per week • Toll free number: 800-308-8057
<p>Low cost</p>	<p>Lowest cost including U.S.A. factory-direct pricing and free shipping on most orders. We will not be undersold by comparable products and services.</p>



3 Ways to Get Started

Convert your home or office into a serene sanctuary of quiet, soothing, energy-saving warmth and comfort and experience all the benefits of radiant floor heat.

Call Now: 800-308-8057

For a no obligation consult to discuss your project with our friendly floor heat experts.

Email Your Floor Sketch Today
for a no obligation estimate.

[EMAIL FLOOR SKETCH](#)

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