

ULTRA-FINTM

Radiant Floor Heating System



Simply Radiant

Why Do Better Homes Use Ultra-Fin?

Room by Room Comfort

Thermostats in individual rooms allow the heat to be regulated locally, providing maximum energy savings.

Comfortable Floor

Ultra-Fin delivers more heat with a cooler floor compared to other radiant systems.

Quicker Response

Your entire floor acts as a radiator, so each room warms up quickly and efficiently.

Clean, Healthy Heat

Ultra-Fin doesn't blow dust and germs through your house like other heating systems.



Decorating Freedom

Ultra-Fin doesn't interfere with your furniture or décor.

Quiet

No blowing air means no noisy fans, and no pings, clicks or other noises associated with expanding or contracting heat ducts.

Gentle, Draft-Free Heat

Natural convection between floor and ceiling provides uniform heating, blocks chilling drafts, and eliminates hot and cold spots.

No Special Flooring Required

Ultra-Fin doesn't require special flooring to conduct or distribute heat, and its uniform temperature doesn't damage or limit the use of hardwood flooring.

Customer Response

"I wouldn't trade our Ultra-Fin system for anything."

We've had it for five years and it's been great."

Ken & Brenda Tamlin

Lindsay, Ontario

"After experiencing Ultra-Fin heating

I would never consider any other system."

Michael S. Bailey

Halifax, Nova Scotia

Performance Test Results

Room Temperature	Water Temperature	Measured BTU Output	Inside Joist Temperature	Floor Temperature	Third Party Tested
72°	150°	27.3 BTU/sq ft	96°	81°	
72°	180°	41.6 BTU/sq ft	105°	85°	
60°	150°	33.4 BTU/sq ft	85°	67°	
60°	180°	46.5 BTU/sq ft	96°	71°	

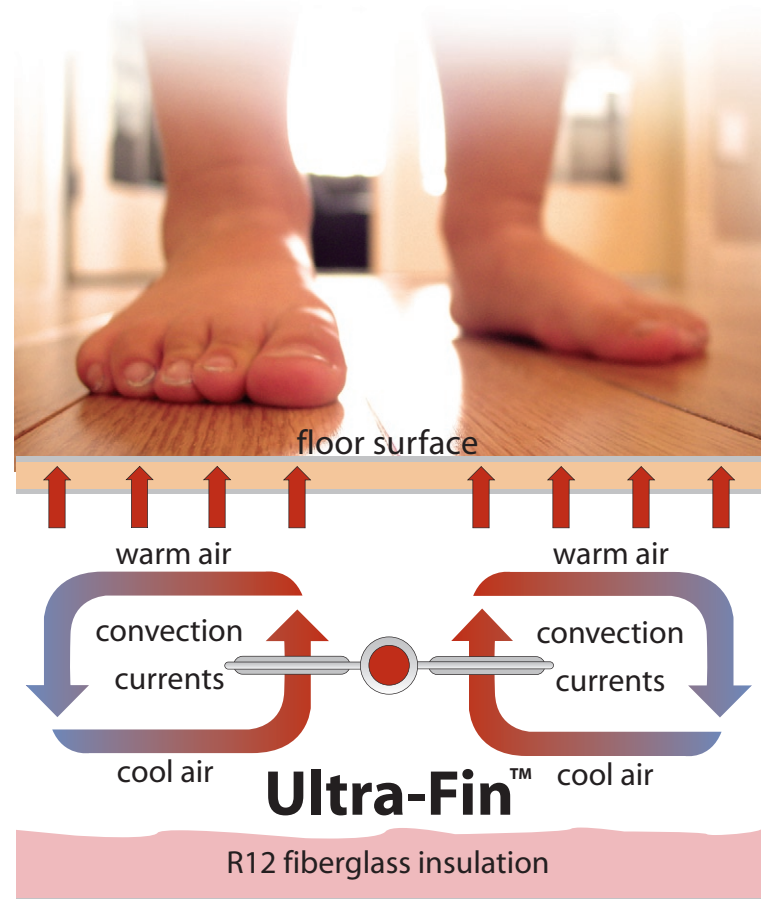
Experience the comfort

Welcome to Ultra-Fin

Are you ready to feel comfort? Ultra-Fin is your top choice for home comfort and cost effective heating. It's the radiant floor heating system designed specifically for wood-frame housing, and it's compatible with all floor coverings, including hardwood. Review Ultra-Fin's features, and you'll see a world of difference with a system that is **simple, solid, and cost effective.**

What's the Difference?

Traditional radiant floor systems use heat contact transfer technology, where hot water tubing makes direct contact with floor materials. Compared to Ultra-Fin, these systems are lethargic and complex - and they often require extra floor layers or concrete. Ultra-Fin creates efficiency with a simple innovation: it uses radiant hot-water technology to generate hot air convection in the joist spaces beneath the existing floor, converting the entire floor system into a giant radiator! The result is **uniform warmth and comfort.**



in your home

How Ultra-Fin Works

Hot water is circulated through the tubing in the under-floor joist spaces of your home, where heat is then conducted to the attached aluminum fins. The fins warm the air in the joist spaces, creating hot air convection that warms the entire floor. The floor then radiates **gentle uniform heat** throughout the living space above.

Ultra-Fin Works Great with All Floor Coverings

One of Ultra-Fin's greatest advantages is its compatibility with all floor coverings. Many radiant systems are not compatible with different floorings, notably hardwood. Ultra-Fin works with hardwood floors just as well as it does with carpet, tile, slate, and virtually any other flooring you can imagine. Ultra-Fin is also proven to be effective in all types of climates, including regions with extreme winters and intense cold.





The Ultra-Fin Radiant System:

- Is 100% compatible with hardwood flooring.
- Does not require special construction measures.
- Allows each room to have a separate thermostat.
- Requires less labour to install.
- Heats the floor by convection, not conduction.
- Requires less than 1/3 the tubing of other types of radiant heating systems.
- Allows all heat loops to start and end at the boiler.



Ultra-Fin has no problem making transitions between different types of floor coverings, providing **barefoot comfort** throughout the home.



Ultra-Fin works great with hardwood floors

Ultra-Fin is Easy to Install

The Ultra-Fin System installs in three simple steps:

- 1 Holes are drilled through the floor joists at a calculated depth below the floor sheathing.
- 2 5/8 O.D. tubing is passed through the holes, starting and ending at the tubing manifold.
- 3 The aluminum Ultra-Fins are attached to the tubing using six pop rivets.

Installer Response

"We've installed the Ultra-Fin system in eight homes over the last four years and *our customers really like it!*"

Rick Anderson
Rick's Plumbing & Heating
Spooner, WI



Ultra-Fin Radiant Floor Heating System installed from below



Ultra-Fin Radiant Floor Heating System installed from above

"We installed nine zones in two days, using half the materials of a conventional radiant system. More heat, less labour, simpler system. *It doesn't get any better than this!*"

Al Bruno, Bottini Fuel
Red Hook, NY

Call us toll-free 1-888-565-2267

Fax us toll-free 1-888-565-2228

Visit us @ www.ultra-fin.com

ULTRA-FIN[™]
Radiant Floor Heating System
MACDUFFCO
MANUFACTURING