



Make Yourself Comfortable



Why Radiant?

Comfort // Not all heating systems are the same

Forced Air is Annoying

Forced air heating has been the standard for homes in North America since the end of World War 2 because it's the cheapest way to meet a building code's minimum heating requirements. But does it meet *your* requirements for a quiet, comfortable, energy efficient and healthy home? These noisy systems blow hot air out of all too visible vents. This noisy, dusty, allergen laden hot air first buffets you downstairs as it makes its way to your upstairs where it typically overheats your bedrooms while leaving the downstairs too cool. And the very nature of forced hot air wastes energy in a number of ways. If you keep a comforter on your couch downstairs, occasionally kick the covers off and on in your upstairs bedroom or been woken up by the noisy blower coming on, you know all too well why forced hot air is unacceptable for your dream home.

Radiant is Incredible

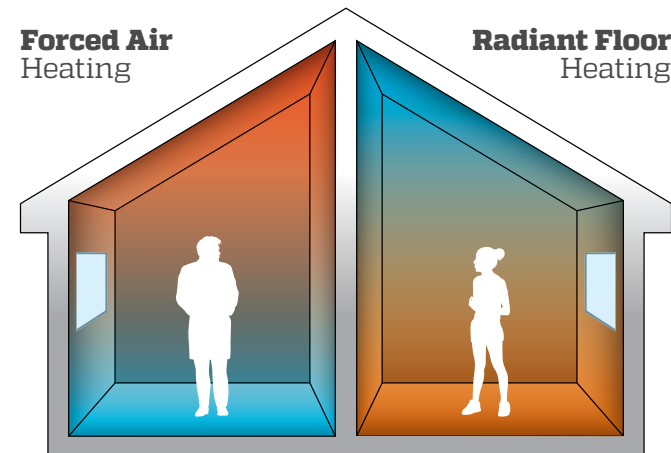
Imagine a completely invisible system – each room heated individually, silently, and efficiently. Air quality is dramatically improved, your home stays cleaner and allergies are less of a problem. Cold floors are gone, and energy is not wasted heating places that don't need it. Radiant floor heating offers all that and more.

In a radiant heated home, multiple thermostats are used. Set your bedroom a little cooler at night, your bathroom a bit warmer. Every room can be controlled to precisely the temperature that makes you most comfortable and that saves the most on your heating bills. You may even choose not to heat certain rooms when they're not in use. With mild warmth coming from the floor, bare feet become the norm and you may choose to never wear slippers again. Unsightly floor registers and vents are eliminated allowing greater flexibility with interior design options.

Respiratory and arthritis symptoms subside, and a calm silence envelopes your home. Dust and dust mite populations are significantly decreased as is the presence of pollen and other allergens. Deep uninterrupted sleep becomes the norm; no more noisy fans, no more fussing with the covers.

And the energy efficiency of a radiant home can be very impressive, with many of our customers reporting energy savings of 25-40% compared to forced air.

You deserve a more comfortable, energy efficient, and healthier home with radiant floor heating. But not all radiant systems are equal.





Why Warmboard.

Quality // Experience the revolution of radiant heating

Warmboard Stands Apart

For decades, radiant floor heating was synonymous with “high mass” concrete systems which are heavy, uncomfortable to walk on, and extremely slow to provide heat. But Warmboard changed the industry by providing a low mass, highly conductive panel that integrates seamlessly with conventional construction methods. Today, Warmboard is the leading provider of radiant panels in North America, outperforming every other system with faster response times, easier installations, lower energy use and unparalleled comfort.

Heating Systems

Warmboard can be heated by Gas boiler , Heat pump, Wood heater and Electric induction Microheat water heater system.

Performance

The thick, highly conductive aluminum covering every square inch of our Warmboard panels means our systems can adjust to changing heat loads 3-7 times faster than any other radiant system. This is essential when dealing with outdoor weather and temperature changes throughout the day or using the energy saving setback function for when you're at work, sleeping or on vacation. This fast response allows our systems to use even lower water temperatures for additional savings. Other methods emit uneven surface temperatures, but Warmboard distributes heat evenly, protecting your investment in hardwood flooring.

These benefits combined with the ease of installation have allowed Warmboard to become the preferred radiant panel by Architects, Builders and Homeowners.

But now, there's more.

Smarter, Not Harder

The installation of a hydronic radiant system has always been complex, involving numerous vendors and multiple timelines. Just as Warmboard changed the radiant industry 20 years ago, we've transformed it again.

Our Warmboard Comfort System bundles all the necessary components for a complete, integrated, and modern radiant floor heating system. Every aspect of the design and manufacturing of our products has been engineered to maximize performance. The high conductivity of our panels requires the lowest water temperatures, decreasing energy use (and energy bills) while extending the life of the mechanical equipment. Finally, radiant floor heating is simple.

Quality Care

While we're very proud of the performance and quality of our products, we take even greater pride in providing any support you may need throughout the construction process.

When you call Warmboard, the first thing you will hear is the voice of one of our US based radiant experts who will be there to answer your questions and walk you through the process. Combined with custom plan sets, installation manuals and dedicated technical support, including field support if necessary, we ensure every project goes smoothly. With over 30 million square feet sold from Alaska to Antarctica, California to New York, know that you're in good hands.



Smart Controller Systems

The SCS communicates with the Manifold Controllers and thermostats to precisely control and modulate temperatures for each zone. There is no need for a specialist to calculate supply temperature as this is automatically set by our proprietary algorithms. This is a much smarter approach which leads to less labor through faster and less complex installations, faster response, and maximized energy efficiency. These factors dramatically bend the cost curve down while bending your comfort curve up.

Manifold Controller

Located in the manifold cabinet, the SCS connects to actuators and then communicates with the SCS to open and close valves, optimizing temperatures in every zone. And because of the power of the algorithm in the SCS, we can accurately control room temperature within a one degree range, where previously three degrees of inaccuracy has been tolerated.

Thermostats

Warmboard thermostats are elegantly simple and were designed to blend in naturally with your home's decor. These touch-screen, high resolution e-ink displays offer intuitive control for every zone in the house. Easy to follow, on screen instructions combined with a user-friendly graphic interface, eliminate the need for reading a manual to enjoy all the programming options. Whether heating, cooling, or enjoying our new floor-warming feature for bathrooms, these thermostats ensure constant comfort.



Off Site System Control

The Warmboard Smart Control System Connects to your WiFi network allowing you to setback the temperature as you head off on vacation and return to the previous settings before you arrive home, using your iOS or Android device.





Warmboard panels.

Performance // Two award-winning panel products for any project

For decades, Warmboard's award-winning panels have been leading the industry with their superior conductivity, rapid performance and easy installation.

Our panels feature pre-formed grooves, bonded to highly conductive virtually pure 1070 aluminum alloy. Once installed, a continuous serpentine channel is created, allowing for easy installation of the tubing, and a uniform conductive surface to heat every square inch of flooring.

Our panels are made in America using responsible forestry and manufacturing practices.

We offer two panel products.

Warmboard-S

As a code-approved structural subfloor, Warmboard -S is perfect for new homes, installing directly over joist or slab.

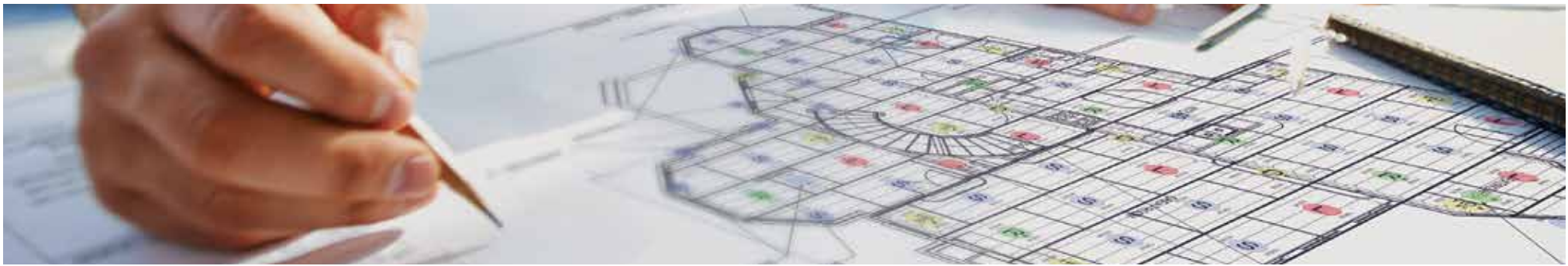
Warmboard-S is made from 7-ply Douglas Fir and is exceptionally strong and rigid. These tongue and groove panels are 28mm thick and measure 122x2440mm. Four panel types accommodate any design configuration an meet.

Structural Code. AS 1170. AS 1720 I
Fire Code. AS 2269. BSEN 13238:2001

Warmboard-R

This smaller, thinner panel is ideal for installing over existing subfloor or slab, in walls or ceilings. The Warmboard-R panel was designed specifically for remodels and retrofits. Built with OSB, the two panel types are 20mm thick and measure 600x1220mm. The lighter weight and smaller dimension of Warmboard-R also lends itself well to ceiling or wall installations; which is especially convenient when the existing floor cannot be altered.





Preferred by Architects.

Flexibility // Specify Warmboard for happier clients and greater design freedom

Smart Design

Architects truly appreciate the simplicity and superiority of our products. Warmboard removes many limitations architects are accustomed to, including the placement of wall and floor vents, duct work, and baseboard or wall radiators which also limit interior design options. Also eliminated are the non-standard framing details and structural issues associated with the weight and thickness of the outdated radiant slab technique. The Warmboard Comfort System removes the need for a dedicated mechanical room which gives valuable square footage back to the living space and the homeowner.

For those pursuing the ultimate in green construction, Warmboard panels are built with sustainable forestry, non-toxic chemicals and can make significant contributions to LEED ratings.

Limitless Flooring

Many radiant heating methods, specifically slab-based systems, inhibit your choice of finish flooring. Moisture concerns and the difficulty of fastening hardwood over concrete is both complicated and expensive. But Warmboard provides a surface that allows hardwood to be easily nailed and/or glued in place. Tile and stone are installed with conventional methods used with more ordinary subfloors. Warmboard is the only radiant panel approved to be used with all common hardwood and tile adhesives. And our powerful conductivity means thick, luxurious carpets and rugs are not a problem. Warmboard gives you total design freedom by not limiting floor coverings that can be used.

Detailed Documents

Using your designs, we provide a custom set of construction drawings to bind into your plan set, ensuring consistent and competitive bidding of the radiant system. Apples to apples competitive bidding will also save your client's money. These documents provide contractors with the information needed to bid and install Warmboard using best practices. Our professional standards also streamline approvals by code officials.

Fastest Response

While high mass, slab-based radiant heating had been the standard for years, it's a dated technology with many limitations and caveats. Just as countless innovations have improved our lives, Warmboard has redefined radiant heat. A highly conductive, low mass Warmboard system means not waiting for heat in the morning or overheating the home in the afternoon. High mass, slow response systems are history. Warmboard is the future.



Preferred by Contractors.

Simplicity // Take the guesswork out of your next radiant project

Premium custom homes deserve quiet, efficient, and healthy heating solutions that provide the utmost comfort for occupants. Warmboard delivers by saving the homeowner time, space, effort, energy and ultimately money for the duration of their home ownership.

Simple

Radiant heating has a reputation of being costly and complicated to design and install in part due to the high labor costs that previous systems required. From our high performance panels to our revolutionary Warmboard Comfort System, we've engineered solutions to wring labor costs out of the installation, greatly simplifying this process while increasing the living space through a smaller mechanical footprint. Our design drawings are simple and easy to read, allowing your current workforce to use their existing skills with no need to worry about additional training.

Faster Installations

Warmboard panels work seamlessly with conventional construction practices and can be sawn, fastened and installed just like any structural subfloor. The Warmboard Comfort System installs very quickly using very few components, and all these items communicate wirelessly – just plug and play, no networking knowledge required. Included in every project are custom construction drawings showing all the necessary installation details, from panel and tubing layouts, to plumbing and electrical, enabling a smooth workflow. Highly specialized and costly “radiant experts” are no longer required. The journeymen carpenters and plumbers already working on your project have all the skills required to quickly and correctly install all the components supplied by Warmboard.

Stand Apart

It's important to differentiate yourself in an increasingly commoditized premium home market by meeting the demands of homeowners. Stand out from your competition by offering your customers the best performing radiant system while reducing your risk. Homeowners have repeatedly confirmed that having Warmboard has made a remarkable difference in the enjoyment of their home. Construction is a word-of-mouth business and contractors are always pleased when Warmboard brings in that next referral.



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