

RADIANT COMFORT™

Hydronic Radiant In-Floor Insulation Panels



Radiant Comfort floor panels are precision molded expanded polystyrene that form a firm base for water heated radiant floors for both new construction and retrofit applications.

- The new construction panels are designed to be installed prior to pouring a heated concrete slab.
- The retrofit panels are designed to be installed above the sub floor, and below the new flooring.

ADVANTAGES OF RADIANT COMFORT:

NO STAPLING REQUIRED

The groove channels of Radiant Comfort provide a heating system template that allow for simple installation and maintain consistent tube spacing. Simply walk the tube into the channels, securing them in place.

SIMPLE INSTALLATION

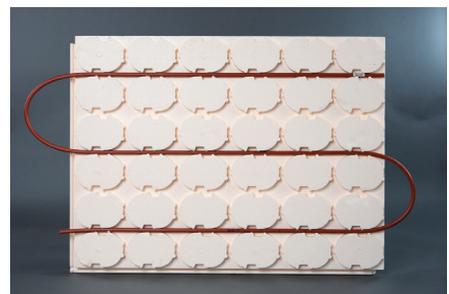
Unlike competing products, no professional design or shop drawings are needed for installation. The panels can easily be shaped or cut by using a utility knife. In addition, only one panel design is needed, eliminating the hassle of using left turn, right turn and straightaway panels.

INTERLOCKING EDGES

The panel edges on the new construction Radiant Comfort panels have interlocking edges to provide secure placement and to prevent concrete from seeping through the joints.

STABLE R-VALUE

Radiant Comfort is molded out of energy efficient EPS, providing thermal performance that is stable over time, assuring the R-value meets design requirements over the life of the structure.



FOR PRICING AND QUESTIONS, PLEASE CONTACT KHART PANELS MARKETING LLC:

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Why **RADIANT HEAT** is the Preferred Heating Source

Unlike conventional forced-air heating, Radiant Comfort relies on hot water being pumped through the tubing placed beneath the floor. The heat from the water is transferred to the flooring and heats the air, providing an energy efficient, and much more comfortable living space.

COMFORT

The most noticeable difference between Radiant Comfort and a forced-air heating system is the comfort. In a conventional forced-air system, the heat collects at the highest points of the building. However, radiant heat starts by heating the floor, evenly distributing through the room, which helps in avoiding losing heat to unwanted spaces.

Notice the poor heat distribution shown in Figure 1, compared to Figure 2, which utilizes Radiant Comfort.

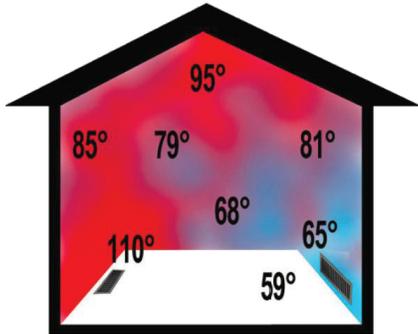


Figure 1: Conventional Forced-Air

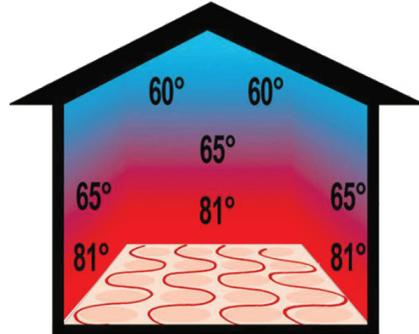


Figure 2: Radiant Heat

PROVIDES A HEALTHY ENVIRONMENT

Radiant heat provides improved air quality by reducing the allergens in the air. Forced air systems circulate allergens, dust and other airborne particles through the room.

REDUCED ENERGY COSTS

Warm water from a boiler is circulated along continuous reinforced polyethylene tubes which are laid under the floor's surface. The water is heated to a lower temperature than traditional central heating, making it more energy efficient. Typically each room in the building has its own circuit, allowing each room to be controlled by an individual thermostat.

UNLIMITED FLOORING OPTIONS

Competing products have limitations on what type of floors can be installed above their systems. With Radiant Comfort, the options are endless, from carpet or hardwood, to ceramic tiles or finished concrete.

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