

DID YOU KNOW?

HEATING USING IN-FLOOR RADIANT

In-Floor Radiant heating systems are made using flexible tubes cast into a floor slab. These tubes, often referred to as PEX tubing, carry hot water and gently warm the slab to a preselected temperature. Once the slab is warm, objects like the flooring, furniture and people are gently warmed. Every item and person in the space is at the same comfortable temperature, all without the drying effect on skin and furniture of forced air.

Slabs retain the heat as a thermal mass and use approximately 40% less energy than forced air, a tremendous savings in dollars and

carbon footprint. In addition, these installations are totally silent, dust and mold free creating excellent indoor air quality with unsurpassed comfort.

The PEX tubing is connected to manifolds that distribute fluid to various rooms (zones) allowing for unsurpassed climate and energy control. Individual thermostats can then be set to temperatures according to the occupants requirements.



Over the years, in-floor radiant systems have been simplified and their applications expanded to include garage floors, outdoor patio and pool deck warming for year round enjoyment as well as snow melting on driveways and sidewalks. The broad offering of components by leading manufacturers has lowered the cost of in-floor installations significantly and increased their use in both residential as well as commercial applications.