Radiant Comfort
Hydronic In-floor Insulation Panels
Nailed Hardwood Flooring Installation Detail

1" Radiant Comfort Retro Panel

Concrete, Wood or Metal Structural Subfloor

1" Brad Nail

1-¼" Cleat Nail

¾" Hardwood Flooring

¾" Plywood

Up to ½” Tubing

Air Cavity
Convection Heat Transfer

Paper

Foam Adhesive

Foam Adhesive

Required fasteners*: Foam adhesive, 1” brad nails, 1-¼” cleat nails

1) Use foam adhesive to fasten Radiant Comfort to the structural subfloor.
2) After 30 minutes, or when foam adhesive is set, walk the tubing into Radiant Comfort. Use a tubing de-coiler to unwind the tubing and prevent kinks.
3) Use foam adhesive to fasten the ¾” plywood at the Radiant Comfort puck centers
4) Lay ¾” plywood over Radiant Comfort.
5) Lay hardwood flooring paper over the ¾” plywood.
6) Use 1” brad nails to fasten the ¾” hardwood flooring from the top vertically.
7) Use 1-1/4” cleat nails to fasten the ¾” hardwood flooring from the tongue at 45 degrees.

*Please refer to the Radiant Comfort installation instruction sheet prior to using this detail.