

Technical Tip

Installing Radiant Heating Systems with AdvanTech® Flooring

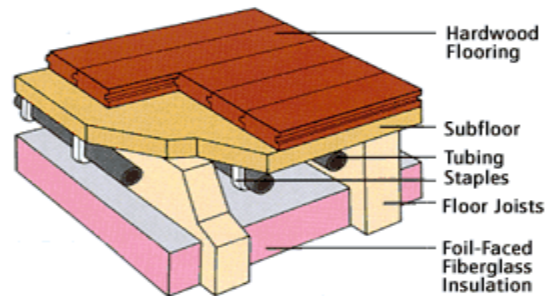
AdvanTech is an excellent substrate for a radiant heating system. The following steps outline the construction sequence for the AdvanTech flooring. The radiant heating system temperature does not affect the Advantech substrate.

Step 1: AdvanTech Panel Installation

- Joists spaced a maximum 24" o.c.
- Minimum panel thickness is 23/32".
- Install panels with long dimension perpendicular to supports.
- Apply a continuous ¼" bead of construction adhesive to joists. Apply a small amount of adhesive to groove prior to matching tongue of adjacent panel. Use only polyurethane or solvent-based adhesive which conform to industry standard AFG-01.
- Use 8d ring shank nails for 23/32" thick panels. Use 10d ring shank nails for thicker panels. Space fasteners no greater than 6" o.c. at supported ends and no greater than 12" o.c. at intermediate supports.
- Provide 1/8" expansion gap at 4-foot ends. T&G joint is self-spacing.



Advantech Installation



**STAPLED TO SUBFLOOR:
Radiant Heating System**

Step 2: Radiant Heating Installation

- Layout the tubing under the Advantech or the electric roll on the Advantech, according to the installation instructions provided by the manufacturer.
- Attach the tubing between the insulation and to the underside of the Advantech using tubing staples between the joist cavities. For the electric roll over the surface of the Advantech apply a layer of thinset cement.
- Install your new floor covering according to the manufacturer's recommendations (ceramic tile, carpet, vinyl, laminate, etc)

For more information on industrial carpeting and other floor coverings installed over AdvanTech, contact Huber Engineered Woods Technical Division at 800-933-9220.