

Technical Tip

Installing Radiant Heating Systems with AdvanTech® Flooring

AdvanTech® Flooring is a compatible structural floor panel when used with a radiant floor heating system. The following steps outline the construction sequence for the AdvanTech/radiant heat flooring assembly. The radiant heating system temperature (typically ranging from 120°F to 135°F) does not affect the performance of AdvanTech Flooring panels.

AdvanTech Flooring installation

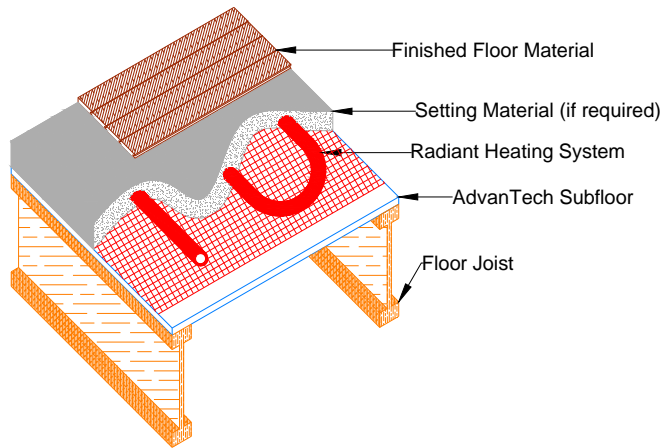
- Install AdvanTech floor panels with long dimension perpendicular to supports.
- Apply a continuous ¼" bead of construction adhesive to joists. Apply a small amount of adhesive to groove prior to matching tongue of adjacent panel. Use only polyurethane or solvent-based adhesive which conform to industry standard AFG-01 or ASTM D 3498.
- Use #8 wood screws or 8d ring shank, screw shank or common nails for 23/32" thick panels. Use 10d ring shank or screw 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.



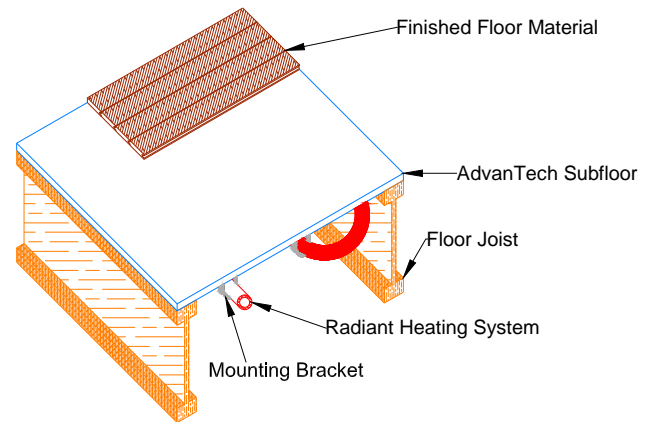
FORCING T&G EDGES TO FIT TIGHTLY TOGETHER CAN DAMAGE THE PANELS AND VOID THE WARRANTY. T&G EDGES ARE DESIGNED TO FIT TOGETHER EASILY WHILE PROVIDING THE INDUSTRY STANDARD 1/8" GAP BETWEEN PANELS.



Correct installation of Advantech T&G Edge



Electric Roll Heating System Above Subfloor



Radiant Heating System Below Subfloor

Radiant Floor Heating Installation

- Layout the tubing under the AdvanTech flooring or the electric roll on top of the AdvanTech flooring, according to the installation instructions provided by the radiant heat manufacturer.
- Attach the tubing between the insulation and to the underside of the AdvanTech flooring using tubing staples between the joist cavities. For the electric roll over the surface of the AdvanTech flooring apply a layer of setting material per the radiant heat manufacturer's instructions.
- Install your new floor covering according to the manufacturer's recommendations

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