

Technical Tip

Installation of Wood Flooring over AdvanTech® Flooring

AdvanTech flooring is an excellent substrate for a variety of floor coverings including hardwood and engineered wood flooring. The following steps outline the construction sequence for wood flooring installation over AdvanTech flooring.

Step 1: AdvanTech flooring installation

- Joists spaced a maximum of 19.2" o.c. with a panel thickness of 23/32"
- Joists spaced a maximum of 24" o.c. with a panel thickness of 7/8" or thicker.
- Install panels with long dimension perpendicular to supports.
- Apply a continuous 1/4" 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 adhesives which conform to industry standard AFG-01.
- Use #9 wood screws or 8d ring shank, screw shank or common nails for 23/32" thick panels. Use 10d ring shank, screw shank or common 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.

Step 2: Wood flooring and AdvanTech flooring acclimation

- Although AdvanTech flooring does not need to be sanded due to edge swell, some sanding may be required to ensure levelness of the floor system.
- When AdvanTech flooring is installed over a crawlspace, use 6 mil polyethylene sheeting placed over the ground and adequate ventilation should be used to help control moisture.
- Ideally the inside of a home should be HVAC controlled to help with acclimation of the wood products at the time of wood flooring installation.
- A pin style moisture meter or similar should be used to determine moisture contents of both AdvanTech flooring and wood flooring.
- The moisture content of AdvanTech flooring and wood flooring should be less than 12% before installing wood flooring.
- The difference in moisture content between AdvanTech flooring and wood flooring should be within 4% of each other.
- Moisture contents are critical when installing wood flooring. Following the above recommendations will help reduce the chances of buckling, cupping and gapping of the wood flooring.

Step 3: Wood Flooring Installation

- Make sure the AdvanTech flooring is dry, clean and free of dirt, dust and oily film prior to installing wood flooring.
- Ensure AdvanTech flooring is securely fastened to the joist system below.
- Install a layer of No. 15 felt or red rosin paper overlapping the edges 2-4" over the AdvanTech flooring prior to installing hardwood flooring.
- Apply the acclimated wood flooring perpendicular to the joist system below (note: if the wood flooring is to be installed parallel to the joists an additional layer of a minimum 3/8" wood underlayment should be installed).
- Hardwood and engineered wood flooring can be fastened to AdvanTech flooring with cleats, nails or staples. Check the fastener recommendations of the wood flooring manufacturer's installation instructions.



- Engineered wood flooring can be adhered to AdvanTech flooring using a moisture cured urethane adhesive, check with the adhesive manufacturer for installation recommendations.
- Install hardwood or engineered wood flooring in accordance with manufacturer's installation instructions.

For additional resources regarding hardwood flooring installation contact:

NOFMA

National Oak Flooring Manufacturers Association
22 North Front St.
660 Falls Building
Memphis, TN 38103
901-526-5016
www.nofma.org

NWFA

National Wood Flooring Association
111 Chesterfield Industrial Boulevard
Chesterfield, MO 63005
800-422-4556
www.woodfloors.org

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