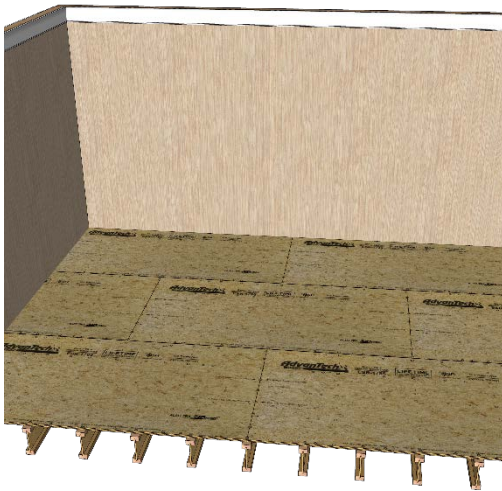


Finished Floors over AdvanTech® Subflooring

AdvanTech subflooring is an excellent substrate for a variety of floor coverings. The following steps briefly outline the construction sequence for different floor coverings and underlayment over AdvanTech subflooring. Refer to The National Wood Flooring Association (NWFA), The Tile Council of North America (TCNA) or other certified sources for information on specific applications.

AdvanTech Subflooring Installation



- Maximum joist spacing may vary depending on application.
- Install panels with long dimension perpendicular to supports.
- Apply a continuous ¼" bead of construction adhesive to joists. Use only polyurethane or solvent-based adhesive which conform to industry standard AFG-01 or ASTM D 3498.
- Although code allows the use of 8d common nails, it is recommended to use 8d ring shank, screw shank or minimum #8 deck screws. Fasteners should penetrate the framing member at least 1". Space fasteners no greater than 6" o.c. at supported ends and no greater than 12" o.c. at intermediate supports in the field.
- Provide 1/8" expansion gap at 4-foot ends. T&G joint is self-spacing.
- When AdvanTech is installed over a crawlspace, use 6 mil polyethylene sheeting placed over the ground and adequate ventilation to help control moisture.
- Ensure panels are dry, clean and free of dirt, dust and oily film prior to floor covering installation.
- If needed, sand uneven areas prior to applying additional layers to ensure a level surface.

Coverings with Direct Application

Installation of Non-Adhered Padded Carpet

- Joists: max spacing 24" o.c. with a 23/32" panel.
- Install padding and carpet per manufacturer's recommendations.

Installation of ¾ Hardwood Flooring

- Joists: max spacing 19.2" o.c. with a 23/32" panel.
- AdvanTech and hardwood moisture content less than 12% and within 4% of each other.
- Use No. 15 felt or red rosin paper overlapping the edges 2-4" on top of AdvanTech.
- Install hardwood perpendicular to the joist system.
- Use additional 1/2" wood underlayment if installed parallel to the joist.
- Refer to manufacturer or NWFA for fastener and installation recommendations.

Installation of Floating Engineered Wood/Vinyl Flooring

- Joists: max spacing 19.2" o.c. with a 23/32" panel.
- AdvanTech and hardwood moisture content less than 12% and within 4% of each other.
- Use cork or foam underlayment between AdvanTech and floating floor.
- Install flooring per the manufacturer's installation instructions.

Installation of Engineered Wood Flooring

- Joists: max spacing 19.2" o.c. with a 23/32" panel.
- AdvanTech and hardwood moisture content less than 12% and within 4% of each other.

Glued Installation

- Refer to manufacturer for expansion spacing and suggested adhesives.
- Use only polyurethane or solvent based adhesives when gluing directly to AdvanTech.
- *Optional:* Minimum ¼" underlayment can be installed over AdvanTech.
- Install EWF according to manufacturer's instructions.

Mechanically Fastened Installation

- Refer to manufacturer for expansion spacing and suggested fasteners.
- Use No. 15 felt or red rosin paper overlapping the edges 2-4" on top of AdvanTech.
- Install EWF according to manufacturer's instructions.

Coverings with Single Underlayment

Installation of Adhered Vinyl/VCP/LVP/LVT/VCT/Commercial Carpet

- Joists: max spacing 24" o.c. with a 23/32" panel.
- Install ¼" underlayment over AdvanTech.
- Apply adhesive with appropriate trowel size.
- Install acclimated flooring material per manufacturer's instructions.

Installation of Lightweight/Gypsum Concrete Underlayment

- Joists: max spacing 24" o.c. with a 23/32" panel.
- Refer to manufacturer to determine appropriate primers.
- See Technical Tip "Secondary Coatings on AdvanTech" for primer compatibility.
- Apply lightweight/gypsum concrete underlayment per manufacturer's instructions.

Coverings with Multi-Layer Underlayment

Installation of Ceramic Tile

- Joists: max spacing 16" o.c. with 23/32" panel.
- Joists: max spacing 24" o.c. with 1-1/8" panel.
- Refer to TCNA to determine the appropriate underlayment to use.
 - Use only modified thinset when applying directly to AdvanTech.
 - Use code approved backer board or uncoupling membrane.
- Determine grade of thin-set to apply and install tile per manufacturer's recommendations.

Installation of Natural Stone with Mortar Bed

- Joists: max spacing 16" o.c. with 23/32" panel.
- Mortar bed thickness: 1-¼" to 2".
- Determine grade of thin-set to apply and install tile per manufacturer's recommendations.

Installation of Natural Stone Over Two-Layer Subflooring

- Joists: max spacing 16" o.c. with 23/32" panel.
- Install second layer of subflooring with minimum panel thickness of 15/32".
- A ¼" gap is required between wall perimeter and second layer.
- Offset second layer panel seams from AdvanTech and fasten only to first layer of AdvanTech.
- Refer to TCNA to determine the appropriate underlayment to use.
 - Use only modified thinset when applying directly to AdvanTech.
 - Use code approved backer board or uncoupling membrane.
- Determine grade of thin-set to apply and install tile per manufacturer's recommendations.