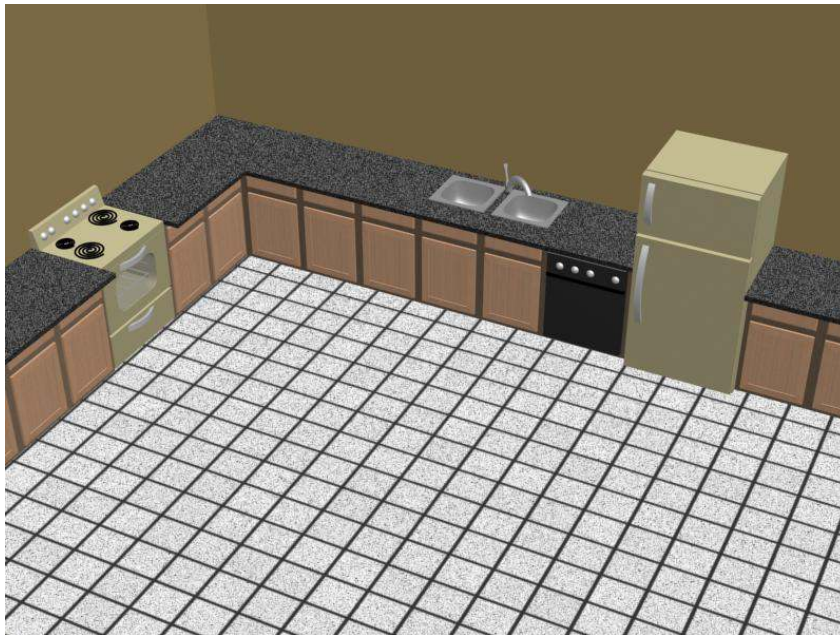


Technical Tip

Installation of Ceramic Tile Over AdvanTech® Flooring

AdvanTech is an excellent substrate for a variety of floor coverings including ceramic tile. The following steps outline the construction sequence for ceramic tile installation over AdvanTech flooring. Refer to The Tile Council of America Handbook for Ceramic Tile Installation for specific tile installation information.



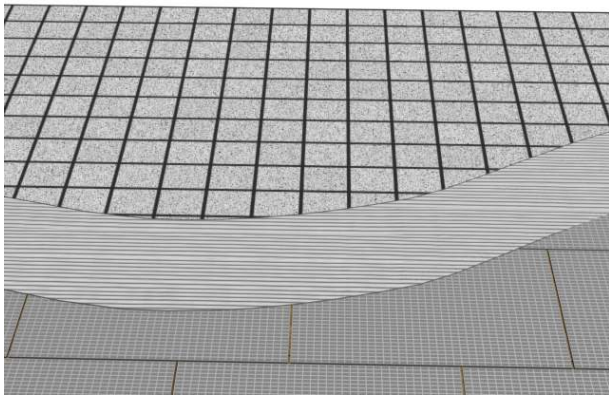
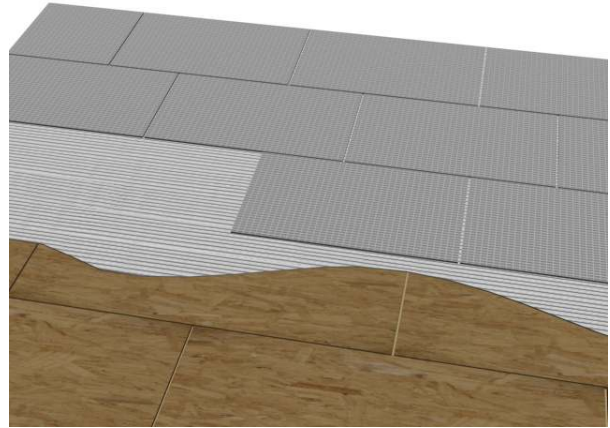
Step 1: AdvanTech Panel Installation



- Joists spaced a maximum 16" o.c.
- Minimum panel thickness is 23/32".
- 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 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.
- Ensure panels are dry, clean and free of dirt, dust and oily film prior to ceramic tile installation.

Step 2: Underlayment Installation

- Although Advantech does not need to be sanded due to edge swell, some sanding may be required of the Advantech to ensure levelness for the tile system.
- Various types of acceptable underlayments exist including cementitious backer board and rubber membranes.
- The type of underlayment to be used is the decision of the home owner or general contractor and should be based on the type of floor construction present.
- Refer to the Tile Council of America Handbook for Ceramic Tile Installation for suitable underlayments to be used in conjunction with structural panel substrates.
- Install underlayment in accordance with manufacturer's recommendations.



Step 3: Ceramic Tile Installation

- Apply a layer of thin-set mortar to the underlayment in straight beads using the appropriate trowel. Try to avoid making curved strokes.
- Different grades of thin-set mortar exist. Use what is specified by the method used in the Tile Council of America Handbook and what is recommended by the underlayment manufacturer.
- Install tile per manufacturer's instructions.
- Refer to the latest edition of the Tile Council of America Handbook for Ceramic Tile Installation for acceptable

methods of installing ceramic tile on structural panel substrates.

Note: Do not install ceramic tile directly to AdvanTech floor panels. An approved underlayment must be installed over AdvanTech floor panels prior to ceramic tile installation. Refer to the Tile Council of America Handbook for Ceramic Tile Installation for more information.

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