

Technical Tip

AdvanTech® Flooring over Concrete Slabs

There are two methods used to attach AdvanTech panels to concrete slabs. Both methods require the preparation of the slab.

Slab Preparation

Cover the slab with minimum 6 mil polyethylene sheeting. The polyethylene sheet should be spot glued to the slab with a polyurethane based adhesive that will bond to both concrete and plastic. All joints in the polyethylene sheeting should be lapped a minimum 4". These laps should also be glued to ensure an adequate moisture seal. The plastic should extend up the sides of the walls a few inches. Once the AdvanTech panels are installed, the excess plastic can be trimmed flush.

Method 1 - Application direct to slab

- It is recommended that either a square edge or T&G panel can be used for this method.
- After preparing the slab as described above, place panels directly on polyethylene sheeting
- Space panels 1/8" at ends and/or edges.
- Fasten panels with masonry nails, concrete fasteners or powder-actuated fasteners.
- Place fasteners 3/8" from panel edges.
- Space fasteners no more than 6" o.c. at panel edges and no more than 12" o.c. in the field. Field fastener lines should be no more than 16" apart.

Method 2 - Application to Sleepers

- It is recommended that a T&G panel be used for this method.
- After preparing the slab as described above, install 2x4 sleepers. The recommended sleeper spacing is 16" o.c.
- Fasten sleepers to concrete slab with masonry nails, concrete fasteners or powder-actuated fasteners.
- Lay panels on joist system with long dimension across joists. All panels should cover at least 3 sleepers.
- Space panels 1/8" at 4-foot ends. The T&G edge is self-spacing.
- Fasten AdvanTech panels with #9 wood screws or 8d ring shank, screw shank or common nails that penetrate sleepers at least 1-inch.
- Place fasteners 3/8" from panel edges.
- Space fasteners no more than 6" o.c. at panel edges and no more than 12" o.c. at field supports.

AdvanTech is a registered trademark of Huber Engineered Woods LLC