

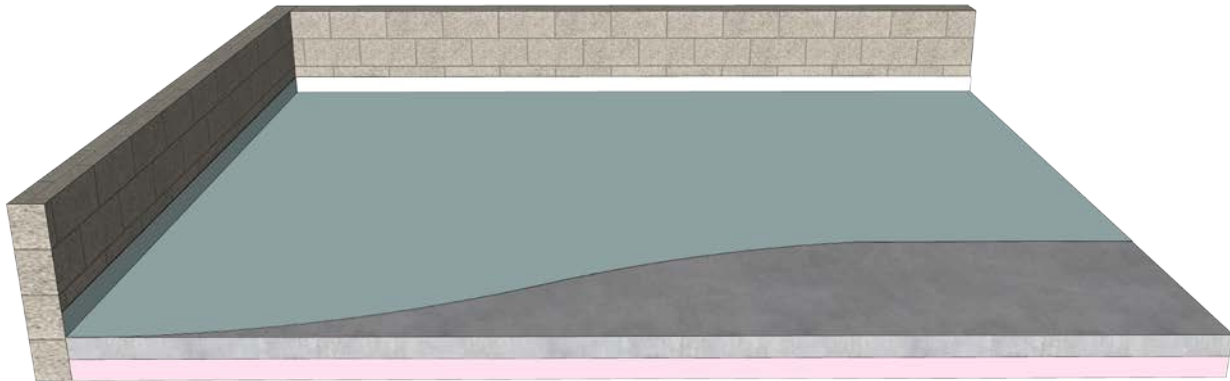
Concrete Slab with AdvanTech® Subflooring

There are two commonly used methods to attach AdvanTech® panels to concrete slabs. Both methods require the preparation of the slab and the use of HVAC within the structure or space.

Slab Preparation

Cover the slab using a vapor barrier with a permeance less than 0.1 perm, such as a minimum 6 mil polyethylene sheeting or monolithic roll-on vapor barrier.

- The polyethylene sheet should be spot glued to the slab 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.
- The installation of a roll-on vapor barrier shall be in accordance with the vapor barrier manufacturer's guidelines and should extend up the side of the walls until it will be visible after the AdvanTech has been installed.



For both installation methods, the structure must be fully enclosed and dried-in prior to subfloor application. Do not install AdvanTech over a concrete slab while exposed to elements.

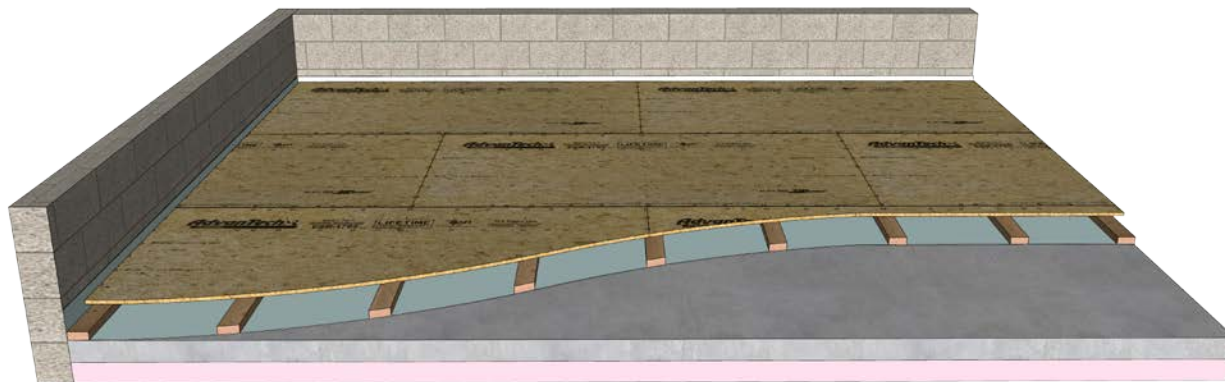
Method 1 - Application direct to slab

- After preparing the slab as described above, place panels directly on the polyethylene sheeting or monolithic liquid-applied vapor barrier.
- Space panels 1/8" at 4-foot. The T&G edge is self-spacing.
- 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

- 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. For 23/32" thick AdvanTech, fasten panels to sleepers with 6d ring shank, screw shank or common nails.
- 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.



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