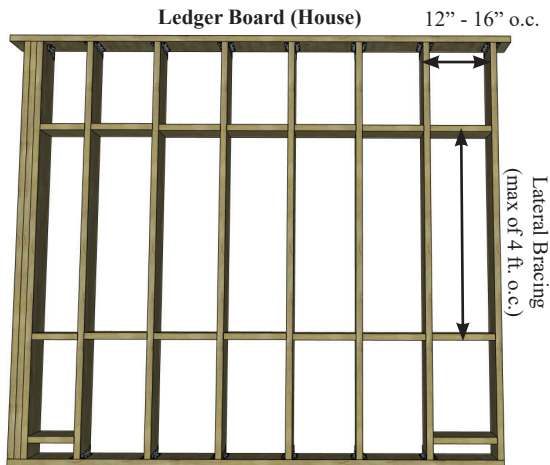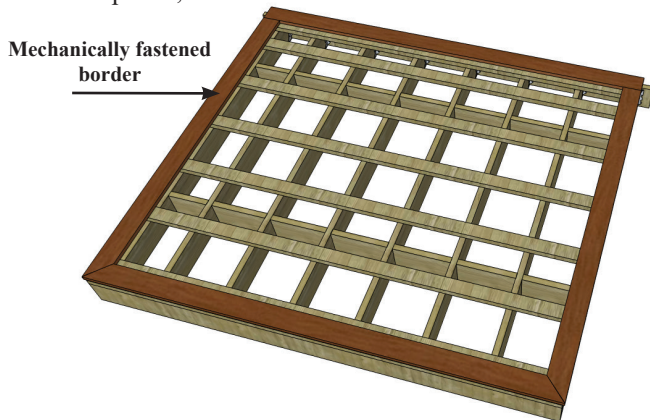# DekTek ◆ Tile™

Sleeper System Installation Guide

Visit dektektile.com/installation for an alternative Sister Joist install method for elevated decks, as well as info on other installations.

1. Frame joists 12" to a max of 16"-inches-on-center (oc)

Add lateral blocking, same width as joists, a maximum of 4-ft oc.

Ledger Board (House) 12" - 16" o.c.

Lateral Bracing (max of 4 ft. o.c.)

2. Install 2x4 sleepers 16" oc, perpendicular to existing joists.

Ledger Board (House)

Add Extra 2x4 Sleepers for Trim

2x4 Sleepers 16-Inches On-Center

Add additional framing for railing posts, cut tiles, & extra sleepers for edge trim, where needed.

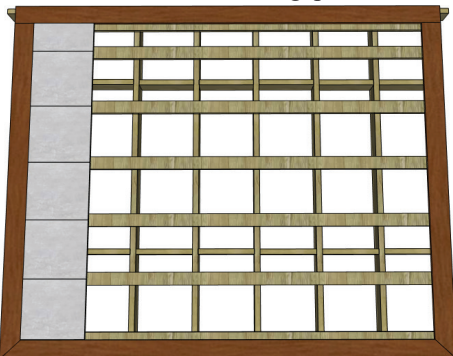TIP: Layout the tile design plan before building to avoid smaller cut tile pieces, if possible.

3. Installing Edge Trims

Borders must be mechanically fastened at the outside edges to lock in the tiles. The most common border options are wood, composite, or anodized aluminum/steel.
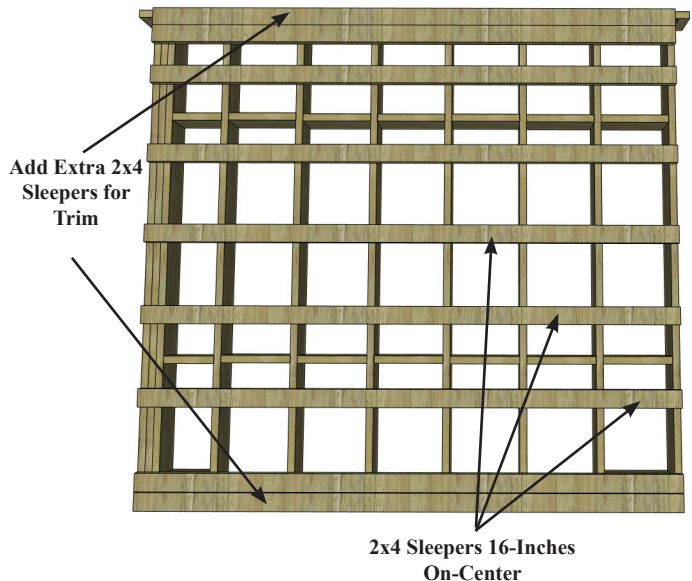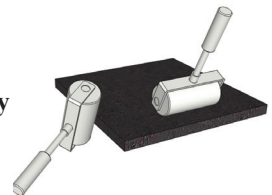

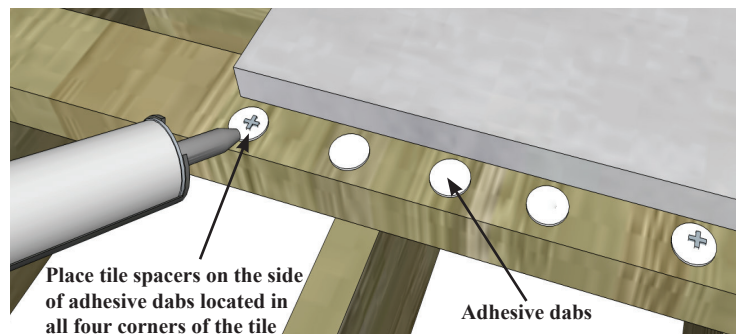Mechanically fastened border

4. Sealing

DekTek Tile should be sealed with a **high quality solvent-based concrete sealer on top and four sides before installing**. **Do not apply sealer to bottom of tile**, this can trap water in the tile & break adhesive bond. See DekTek Tile Sealer brochure for more info.

Equipment Needed for Installing Tiles	Tape Measure	Chalk Line	Caulk Gun
	Plastic Shims	10" Wet Diamond Saw	

5. Tile Installation

1. Set tile using a high quality exterior polyurethane adhesive applied directly to wood joists. We recommend Liquid Nails adhesive LN-950, with a service temperature range of -40°F to 300°F.

2. Set tiles with a minimim of 1/16" gap between tiles. (1/16" - 1/8")

3. DekTek Tiles run close to a full 16"oc, decks that span longer distances may need to be framed 16-1/16" oc**

4. **Run adhesive in thick dabs 1/2" high. Do not run adhesive in a solid bead.**

5. In the four corners of the tile on the dabs of adhesive, place a tile spacer to shim the tile up slightly for better water drainage.

Place tile spacers on the side of adhesive dabs located in all four corners of the tile

Adhesive dabs

6. **Any tile cut to 10 inches or less needs extra support running under the bottom of the tile (i.e. an added 2x4).**

 DTSIG20