



SelecTile™ Commercial and ESD Installation Guide

Installation of SelecTile is fast, easy, and cost-effective. For best results, follow these Guidelines.

General

SelecTile is a 23.75" x 23.75" interlocking floor tile available with a 24" x 2" interlocking SelecTile Interlocking Transition Strip and 2" x 2" Corners. Due to the large size of the tiles, when estimating a job, a general waste or contingency factor of 5%-10% is normal. Actual waste factors will vary based on job size, layout, installation experience and other factors. A plastic tipped mallet or deadhead hammer should be used for joining these products. Seams may also be effectively set with a hand seaming roller. Cutting tools will be required for altering tile size and cutting around obstacles. SelecTile is designed to be a free-lay system and does not generally require use of adhesives. Installation for SelecTile Commercial and ESD versions is identical except ESD requires grounding. Grounding instructions are at the end of these Guidelines

Receiving, Storing and Temperature Conditioning SelecTile

SelecTile is shipped in boxes containing ten tiles. Stack the boxes of tiles (or loose tiles) on a flat surface with the edges of the boxes flush to one another. Overhanging edges will cause difficulty when installing. Never store the tiles upright. Allow the tiles to acclimate to the installation environment for a minimum of 48 hours. If tiles are being shipped or stored in cold conditions (less than 50°F) allow at least 72 hours so that the tiles come up to ambient temperatures prior to installation. Unstacking and opening boxes will speed up acclimation. Optimal temperature conditions for SelecTile is 62°F to 75°F. If you are installing the tiles in an area that is not maintained in the 62°F to 75°F degree temperature range the tiles will expand and/or contract more than in standard installations. Under normal conditions, allow 1/4" around the perimeter to allow for tile expansion. Allow more expansion space for tiles installed in cool environments. Failure to do so may result in buckling. Where temperature swings more than 20° F may occur in the installed area, expansion joints should be considered. If installing in an area that receives direct sunlight, adhesive may be used.

Preparing the Subfloor

WARNING: Appropriate caution and procedures must be used if removing a preexisting resilient floor covering. Many older vinyl sheets, floor tile or asphaltic floor coverings contain asbestos that is not readily identifiable. Removal of these materials must comply with various federal, state and local regulations pertaining to the removal of in-place asbestos. Do not sand, dry sweep, dry scrape, drill, saw, bead blast or pulverize any such existing product(s) unless you are certain they do not contain asbestos.

SelecTile may be installed over concrete, wood, asbestos tile, rubber, vinyl composite tiles and other standard floors. SelecTile may be installed over some high density, commercial grade textured loop carpeting and other firm, resilient surfaces. If you are considering installing over this type of surface call our customer service desk to discuss whether going over your existing floor is an option.

- Remove all debris. Sweep and vacuum, as necessary.
- Scrape off old adhesive. The surface does not have to be perfect but do remove large clumps of adhesive (> 1/16" high) (See WARNING above concerning asbestos containing products)
- Remove moldings or cove base. You will reinstall old moldings/cove base or install new ones over the floor after completion.
- Repair any major surface imperfections (cracks over 3/8") sharp height transitions, or voids in the subfloor.
- If necessary undercut door frames to allow tiles to fit underneath.

Tools

- Dead-blow hammer (21 to 42 oz) (Required) NOTE: Rubber mallets are ineffective
- Seam roller (Recommended)
- Utility knife in conjunction with a straight edge. (Required) Curved blades are more effective on SelecTile
- Carpenter's square (Required)
- Jig saw, orbital or similar cutting tool for irregular cuts. (Recommended)
- Table saw with a medium blade (for making multiple cuts). (Recommended)
- 24" or larger tile cutter (Optional but highly recommended for large installations)
- Two-sided tape - Johnsonite Power Tape, Powerhold Ultrastik or equal, 1.5" to 2" widths (Optional but recommended for use in narrow aisles and/or high load/high traffic areas) See, Gluing or Taping SelecTile, below

Cutting SelecTile

When cutting SelecTile, the installer must exercise appropriate safety precautions. Protective eyewear and gloves must be worn. The following cutting tools are all appropriate tools for cutting SelecTile:

For Straight Cuts:

- When using a utility knife, score the cutting line several times and then bend/fold the tile back and forth until it breaks away. A straight edge and/or carpenter's square can be used to ensure straight and square cuts.

- Table saw or circular saw (for making multiple straight cuts) Use a medium blade. (Required) (Safety devices must be in place and Manufacturer's instructions and safety precautions must be observed at all time while using power equipment)
- 24" tile cutter or larger is highly recommended and are cost effective for large jobs. They provide a factory finished edge, very precise cutting and are noiseless and dustless. Recommended brand is Bullet Tool.

For Shaped Cuts

- Utility knives or carpet knives with extra blades. An electric heat gun may be used to soften the tile to facilitate detailed cuts. Do not use a torch. Do not overheat the tile
- A jigsaw or orbital saw.

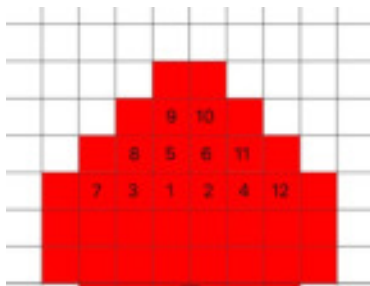
Planning and Installing

Installation Options

- SelecTile can be installed "wall to wall", in which case the majority of the "Field" tiles will be installed first. Installation will be completed by removing interlocks from the edge of the "Perimeter" tiles that will be fitted to the walls. Those edges can be covered the with cove base or openings can be filled with silicone.
- SelecTile is also frequently installed as a floating pad, in which case installation is begun along a planned edge of the installed pad. The edges of the tiles are finished with SelecTech's Interlocking Transition Strips.
- In many installations, both situations will occur. Some edges will be finished against walls, in which case "Perimeter" tiles will be cut to fit to those walls and the floating edges will be finished with the Interlocking Transition Strips.
- Regardless of the type of installation It is critical to keep the tiles square during installation. Failure to do so will cause difficulty in fitting the tiles and may cause gapped or excessively tight seams as you add rows.

Step 1: Establish Starting Line: Every room has a different starting point. In general, it is preferable to start along the longest wall in the room. If you can, identify a straight wall or edge to work from. If you are installing "wall to wall", snap a chalk or laser line 8" to 23" away from the wall. It is preferable not to have small slices of tile along the perimeter. For floating installations snap a chalk or laser line along the planned edge of the installation. Be sure to adjust for the 2" strip that will be used to finish the edge.

Step 2: Install First Row: Begin fitting the tiles together creating one row of SelecTile against the starting line. Adjust the position of the row carefully along the line considering the cuts to be made on either side.

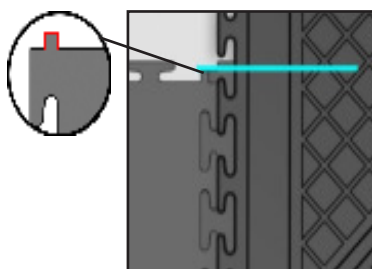
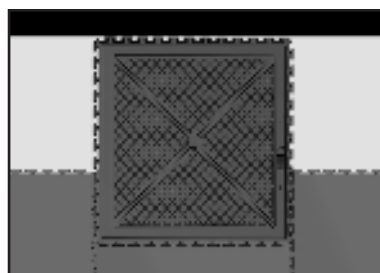


Step 3: Build Rows Add two more rows. Pay close attention to the first row to ensure that the tiles are as straight as possible and flush against the chalk/laser line

Step 4: Complete Field Tile Installation To ensure squareness as rows are added, install using a pyramid pattern. (Refer to Figure 1 for the suggested pattern) Continue to build the pyramid adding one full size tile to the end of each row until the room is covered

Step 5: Cut and Install Perimeter Tiles When you can no longer lay any more full-sized tiles, cut the remaining tiles to fit using Perimeter Tile cutting instructions below

Cutting Perimeter Tiles



Step 1: Fit tile to wall To cut Perimeter tiles, turn a tile over and place it on top of an installed tile. Push the tile against the wall as shown in Figure 2

Step 2: Mark for cutting with gap at wall Each tile has a square marker in each corner. Use the edge of this marker as a guide. Mark the tile on each side and use a straight edge to create a cut line. Cut the tile using your preferred method. Flip the tile over and install. The cutting guide will provide a 1/4" between the tile edge and the wall.

Step 3: Complete perimeter tile installation Continue around the perimeter of the installation until complete.

Transitioning SelecTile

Interlocking SelecTile Transition Strips and Corners

Interlocking SelecTile Transition Strips and Corners are available through SelecTech. Each interlocking transition is 2 linear feet. x 2" wide and they mate 1 to 1 with the SelecTile. SelecTech also supplies snap on Corners for finishing outside corners. These provide an effective transition from the surface of SelecTile to the subfloor where SelecTile is not being installed up against a wall. To attach the SelecTile Transition Strips, simply line them up against the tiles and mate the interlocks. Due to the design of the interlocks, the Transitions Strips are most easily installed by lifting the SelecTile edge and sliding the Transition interlocks under the tile before pressing in place.

Transitions Where Interlocks are Removed

Surface to subfloor transitions using SelecTech Transition

When interlocks are removed from SelecTile to meet layout requirements, SelecTech Transition Strip interlocks may also be removed so that they can be butt joined to the tile edge. Secure the Transition using 2-sided tape under the SelecTile and the Transition Strip. Guillotine type cutters are recommended for this to ensure clean edges.

Transition from SelecTile Surface to Another Floor Surface

For transitioning from the SelecTile surface to another flooring surface of similar height (SelecTile is .22" high) use pinless aluminum track and vinyl T-molding.

Johnsonite Aluminum Pinless Track- MT-00-A, or equal

Johnsonite T-Molding – CD-XX (1 1/2" wide), or equal

Using Tape or Adhesive

SelecTile is designed to be a free-floating system, requiring no adhesives. SelecTile will stay in place even under forklift traffic or other heavy-duty traffic. However, in narrow hallways and areas where the floor is subject to high torque (e.g., carts with small wheels and heavy loads or on vehicle pivot points), it can "creep" and this can cause the tiles to buckle and separate. The simplest solution is to use 2-sided tape (see recommended tapes, above). 1 strip of tape under the tile will effectively prevent "creep" under wheeled traffic.

Exposure to direct sunlight can cause tiles to expand and contract. In these situation apply quality vinyl tile adhesive. Follow the adhesive manufacturer's safety and installation guidelines. Allow the adhesive to set according to the manufacturer's guidelines. Call SelecTech if you are considering the use of a full spread adhesive.

Grounding SelecTile ESD

SelecTech provides preassembled Grounding Kits that may be purchased directly or through your dealer. These are easily attached to the tile at any point selected by the installer. It is recommended that one Grounding Kit be installed for every 1,000 square feet throughout the installation or one for every separate area if the tile is being installed in separate pads. The ground wire should run to an electrical outlet or other building ground. Consult your electrician for proper building ground point and method. See, Grounding Kit Instructions, below.

**Additional guidance is available online at <https://staticstop.com/technical-documents/>
To view an installation video visit: <https://www.youtube.com/watch?v=wg5ALFsKxK4>**

