

**General Information:**

Open the pack list on the crate's exterior. Locate the shop drawings and installation instructions inside the box. Review contents and make sure all parts are present and verify:

- Model of grid and frame
- Size of grid and frame
- Product color
- That there are no visual defects or damage from shipment

If you discover that material is missing or defective, contact our customer service department immediately: 877.242.8821

**Important Notes – Do Not Overlook:**

Prior to installation, ensure that the material is stored indoors and has acclimated to the environment's temperature for 24 hours.

If applicable, assess the site condition prior to installation ensuring the recess is:

- Free of debris and moisture
- The correct depth throughout
- Smooth and flat

High spots should be ground down. Low spots should be filled with a self-leveling grout. The side walls of the recess should also be checked for plumb and defects as this could affect the frame installation (if applicable). If these conditions have been met, you can begin the installation.

**FAILURE TO FOLLOW THESE INSTALLATION INSTRUCTIONS MAY VOID  
YOUR WARRANTY.**

**Tools Required:**

- A Level
- Tape Measure
- Carpenter's Pencil or Marker
- 5/32" Masonry Drill Bit
- Utility Knife
- Circular Saw or Portable Band Saw
- Non- Shrinking Grout
- Flathead Screwdriver
- #2 Phillips-Head Screwdriver
- Trowel
- Shop Vacuum
- PPE (gloves, glasses, ear protection, etc.)

**BaseTread Shallow Recessed Installation Instructions:**

1. Prepare a recess in the concrete flooring at least 1/2" deep (for BaseTread 200 Series) or 3/4" deep (for BaseTread 500 Series) for frame. The designated cut out area will also be the outside frame dimension. Consult your shop drawing for proper depth (above) and overall outside frame dimensions.
2. Drill holes in the frame at 18 to 24-inch intervals for the bolts/screws. Countersink the holes so that the screw heads are flush with the frame. (This prevents mat from riding up on the head of the bolt/screw.)
3. Set the frames into position within the recess. Mark the hole locations on the concrete. Remove the frames and drill holes in the floor for the screws. Clean the concrete dust away prior to attaching frames to floor.
4. Reinstall the frames. If needed, shim under the frame sections so the top edge of the frame is flush with the finished floor.

**BaseTread Shallow Recessed Installation Instructions Continued:**

5. Secure the frame to the concrete bed (straight down) using screws of choice that are set vertically. Stainless steel screws and plastic anchors may also be used.
6. Pour concrete (using non-shrinking grout) around the edges of the frame (if needed) and in the center of the frame, level with the inside lip of the frame.
7. Level the concrete. Use a board slightly smaller than the frame opening and level the concrete in each part of the recess. Make sure the concrete (using non-shrinking grout) is smooth and level with the inside lip of the frame so the mat will lie perfectly flat and will not flex or bow.
8. Before the concrete hardens, verify that the dimensions are correct, that the frame is square and level, and the frame corners are at correct angles so the mat will fit properly. Verify the outside frame dimensions are identical to your shop drawing.
9. After concrete has hardened, install plywood into the recess to fully protect the frame edges until just before the entrance is opened and the mat is installed.
10. Clean all frames and recess before installing mat. Debris cannot be tolerated between the frame and mat.

**BaseTread Field Fabrication Instructions:**

1. Place mat to be cut on sturdy tabletop surface. On one end of the table, fasten a straight edge bar or angle piece to serve as a stop edge for one end of the product. Be sure bar is square on the table.
2. Butt one end of the rails tight to fastened bar. Secure width of mat (traffic direction) to the table with screws in between drain holes of hinge.
3. Measure to desired length to be cut and mark product with fine tip black marker.
4. Trimming
  - a. If trimming  $\frac{1}{4}$ " or less, cut carefully with a portable band saw. Prior to cutting, it would be ideal to clamp an additional bar or straight edge to top of product to hold the mat steady. Also, remove the set screws from the end of the mat to prevent damage to the saw blade. **Be sure to clamp a straight edge to product prior to cut.** After cutting is complete, clean any smudges or markings with lacquer thinner. Brush out ends of tread, then singe with a propane torch (on low setting).
  - b. If trimming more than  $\frac{1}{4}$ ", a circular saw with a sturdy carbide-tipped blade would work just as well as a portable band saw. Prior to cutting, it would be ideal to clamp an additional bar or straight edge to top of product to hold the mat steady. Use a straight edge or angle piece for saw to travel against to achieve a straight cut. **Be sure to clamp a straight edge to product prior to cut.** After cutting is complete, clean any smudges or markings with lacquer thinner. Remove set screws from cut-off pieces and install set screws to secure hinge in rails. Brush out ends of tread, then singe with a propane torch (on low setting).
5. Clean up product and return to service.

**BaseTread Rail Removal/Addition Instructions:**

1. Use an H-3 (3/32") Hex Tip Bit Driver, or a 3/32" Allen Wrench Hex Key.
2. Install the driver bit in the tip of a cordless hand drill, screw gun, or use the wrench for manual removal.
3. Back out set screws in the sockets at the ends of the rails.
4. Slide rail forward to remove rail from mat section.
5. Using the same process in reverse, assemble and set screw mat rails together.