

Installation Manual

Trident Industry / 7EVEN MTC Product Category

7EVEN MTC(6mm / AC4)

INSTALLATION GUIDELINES FOR 7EVEN MTC FLOORING

July 2024

A. INTRODUCTION

Trident 7EVEN MTC flooring is intended for interior use only and is suitable for applications above, on, and below grade. DO NOT install in saunas, seasonal porches, rooms that are prone to flooding and rooms or homes that are not temperature controlled.

Trident 7EVEN MTC is a floating floor and should be allowed to expand and contract freely. It must not be glued, nailed, or fastened to the sub-floor in any way. Permanent cabinets, vanities, islands, and similar items should be installed first. Install 7EVEN MTC flooring around them, leaving the proper expansion gap of 3/8" . Large areas over 50' require a 1/2" expansion gap. 7EVEN MTC can be installed under toilets. Leave proper expansion space around the flange and use a premium waterproof 100% silicone caulk. Do not anchor toilet through the material.

Even though this product has an attached underlayment pad it is not a moisture barrier. Moisture testing is required over concrete substrates. If you are not going to conduct a moisture test when installing over concrete, we recommend using a rollout or roll on moisture mitigation system.

Trident 7EVEN MTC is a water-resistant floating floor, but it cannot inhibit the growth of mold or prevent structural problems associated with or caused by flooding, excessive moisture, alkalis in the subfloor, or conditions arising from hydrostatic pressure. Regardless of location, always remove standing water, urine, and other liquids promptly. Subfloor moisture issues should be addressed and corrected prior to installation.

If the flooring is to be installed by an installation contractor, it is suggested that the homeowner and flooring contractor should discuss installation and layout to maximize satisfaction.

Before beginning a Trident 7EVEN MTC flooring installation project, it is critical that you 1) fully acquaint yourself with the detailed installation instructions for your flooring and subfloor type, and 2) conduct a complete job site evaluation. Make sure that jobsite conditions are maintained between 60° and 85°F for 48 hours prior to, during and after installation.

Determine the quantity of Trident 7EVEN MTC flooring, flooring transitions and wall trim needed for your installation. It is recommended that you add an additional 10% to your square footage for standard installations to account for cuts. For diagonal installations, add 15%.

B. GENERAL INFORMATION

I. Preparations:

Prior to installation make sure job site conditions (including subfloor, ambient temperature, and relative humidity) will not negatively affect the floor. The manufacturer is not responsible for damages associated with improper installation or poor site conditions. The surface of the subfloor must have no variation greater than 3/16" in a 10' radius. Surface flatness must not vary more than 1/8" when measured with a 3' straight edge. Additionally, the subfloor must not slope more than 1" in 12'. All high areas must be sanded or ground down and low areas must be filled with a Portland cement floor patch.

Floating 7EVEN MTC flooring

Remove the tongue on the side of the panels that face the wall. This is to ensure that the decorative surface of the extruded composite MTC floor is well under the finished trim when installed. Use a utility knife to score through the tongue several times until it easily snaps off.

Start in a corner by placing the first panel with its trimmed side facing the wall. Use space along each wall to maintain an expansion space of 3/8" between the wall and the flooring. To attach the second panel, insert the end tongue of the panel into the end groove of the first panel at a 20-degree angle. Lower the panel flat to the floor. Line up the edges carefully. Continue connecting the first row until you reach the last full panel. Fit the last panel by rotating the panel 180 degrees with the pattern side upward, place it beside the row, and mark it.

Saw off the excess plank. Attach as described above.

Begin the next row with the off-cut piece from the previous row to stagger the pattern. Pieces should be a minimum of 8" long and joint offset should be at least 8".

Start the second row by pushing the long side tongue of the panel into the long-side groove of the very first panel at about a 45-degree angle. When lowered, the plank will click into place.

Attach the second panel of the new row on the short side as described above. Push this panel as close as possible to the previous row. To attach this second panel to the previous panel, lightly tap the end using the Paradigm professional tapping block. Continue along in the same fashion.

To fit the last row, lay a panel on top of the previous row. With the tongue to the wall, lay another panel upside down on the one to be measured and use it as a ruler. Don't forget to allow room for 3/8" spacers. Cut the panel and attach it into position.

Door frames and heating vents also require expansion rooms. First cut the panel to the correct length. Then place the cut panel next to its actual position and use a ruler to measure the areas to be cut out and mark them. Cut out the marked points allowing the necessary expansion distance on each side.

Door frames can be trimmed by turning a panel upside down and using a handsaw to cut away the necessary height so that panels slide easily under the frames.

Note: To watch a brief video on how to install a floor with an angle/angle locking system please visit Tri-West/s website (www.Triwestltd.com), click on "Videos" at the top, and select the video titled "Four Sided Lock Installation System".

Flooring must not be installed on ramps.

Subfloors must be structurally sound without deflection.

II. Crawl Spaces:

The ground in the crawl spaces should be completely covered using 6 mil polyethylene. Crawl space clearance between the earth and underside of joists should be no less than 18". Perimeter vent area should be equal to 1.5% of the total square footage of the crawl space or as mandated by code.

Carefully remove any existing quarter round or base board molding.

Always remove carpet, carpet pad and tack strips.

Remove any existing floating or un-adhered flooring.

Be sure the surface of the subfloor is flat, clean, dry, and sound before starting.

Inspect every plank for any shipping damage when removing from the carton.

Kitchen cabinets must be installed before the floor is installed. Do not install cabinets on top of floating 7EVEN MTC flooring.

III. Other Subfloor Prep

Adhered and sound vinyl sheet goods, vinyl tiles, linoleum and resilient (VCT) tiles usually do not need to be removed if they are fully bonded and free of any notable damage. Some older vinyl sheet goods and tile contain asbestos. Should existing flooring contain asbestos, special precautions must be taken for your safety. Contact a professional immediately for inspection and removal.

Ceramic tiles and terrazzo usually do not need to be removed. 7EVEN MTC flooring may be installed directly over ceramic tiles that are flat (not pillow edge) and terrazzo, provided they are fully adhered, smooth, sound, and dry. These flooring materials must be smooth and flat to within 3/16" in a 10' radius and must not vary more than 1/8" when measured with a 6' straight edge.

Do not install over more than one layer of existing vinyl.

- After market radiant heated floors must be approved by the manufacturer for use with resilient flooring applications
- The heated floor system temperature must never exceed 85°F (29°C).

Subfloors

Concrete, plywood, OSB, particleboard, chipboard, hardwood, tile (ceramic, terrazzo, stone, asbestos, peel and stick), sheet vinyl and metal are acceptable substrates.

Concrete Subfloor Prep

Follow the recommendations of ASTM F-710 (preparing concrete to receive floor covering).

Perform moisture tests as directed by ASTM F1869 and ASTM F2170

High spots can be removed by grinding. Depressions can be filled with patching compound formulated for use in floor installation.

Newly laid concrete slabs must cure for at least 90 days prior to installation.

Concrete can be either sealed or unsealed.

Moisture levels of concrete slabs before, during and after installation must be 5 lbs or less using calcium chloride test according to ASTM F1869, and pH must be between 5.0 and 9.0; or, if using ASTM F2170 in-situ probes, relative humidity should be less than 75%.

Always measure, record, and retain your testing results.

Wood Subfloors (Plywood, OSB, Particleboard, Chipboard, Solid Hardwood, Luan)

Perform moisture tests using a reliable moisture meter in multiple locations. Moisture readings should never exceed 14% for wood subfloors.

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Remove all spacers

When installing Trident 7EVEN MTC in any commercial room or area larger than 100' x 100' coordinating T-moldings are required in the doorways.

Install moldings to cover the expansion gap. When installing moldings, never allow nails or screws to enter the 7EVEN MTC flooring or the expansion zone around the flooring perimeter. All moldings and transition strips need to provide a 1/4" expansion space as well. Endcap moldings are required at all vertical obstructions.