



## INSTALLATION INSTRUCTIONS

### BEFORE INSTALLATION:

Job site conditions, substrate testing and preparation are critical to the success of a Fritztile installation. Do not start until you have read *Fritztile Pre-installation Guidelines (Document #110)*. If these guidelines are not followed, installation failure may occur.

- Do not install in buildings that are not climate controlled.
- All concrete floors must be tested for moisture and pH regardless of age or grade level.
- **When using FA88 Adhesive:**
  - Permanent HVAC must be fully operational, controlled and set at a minimum of 68°F, in use condition, for a minimum of 72 hours before testing/installation begins.
  - Slab temperature must be a minimum of 55°F.
  - Ambient relative humidity must be below 60%.
  - Do not use FA88 if Moisture Vapor Emission Rate, tested in compliance with ASTM F1869, exceeds 10 lbs per 1,000 square feet over 24 hours.
  - Do not use FA88 if Internal Relative humidity of the slab, tested in compliance with ASTM F2170, exceeds 90%.
  - Surface pH must not exceed neutral levels. Level must be neutralized prior to installation of Fritztile.
- **When using FA1100 Adhesive:**
  - Permanent HVAC must be fully operational, controlled and set at a minimum of 70°F, in use condition, for a minimum of 72 hours before testing/installation begins.
  - Slab temperature must be a minimum of 60°F.
  - Ambient relative humidity must be below 60%.
  - Do not use FA1100 if Moisture Vapor Emission Rate, tested in compliance with ASTM F1869, exceeds 7 lbs per 1,000 square feet over 24 hours.
  - Do not use FA1100 if Internal Relative humidity of the slab, tested in compliance with ASTM F2170, exceeds 87%.
  - Surface pH must not exceed neutral levels. Level must be neutralized prior to installation of Fritztile.
- These conditions should then be maintained continually during testing and application, and for at least 48 hours following application.
- For wood sub-floors, use only approved plywood underlayment. Do not use Luan.
- Substrate shall be flat to within the equivalent of 1/8" in 10'.
- Substrate shall be free of old adhesive, sealers, paint, coatings, finishes, dirt, film-forming curing compounds, or other substances that may affect the adhesion of the flooring.
- Prepare substrates using Ardex patching or underlayment compounds.

**All materials including adhesives must be on site in the room where they will be installed for 48 hours before installation. Entire contents of each carton should be flipped and allowed to acclimate for 24 hours flat on the substrate where they are to be installed.**

- Fritztile terrazzo tiles are random and non-directional.
- Lay out the floor and snap chalk lines as you would for any other tile installation.

All Fritztile products are inspected for quality prior to shipping.

**Do Not Install Tiles if they are Out of Square, Deformed, or Curled in any way. Stop Installation and Immediately and call Technical Support at 800.345.6202.**

Fritztile's Warranty does not cover claims on visual or dimensional defects.

**Shade variations are inherent in natural products.** It is the responsibility of the installer to blend shades. **Installation of tiles deems acceptance of shade variations.** "Shuffle" tiles from alternate boxes to help evenly distribute any shade or color variations in tiles.

**Note:** After installation, the flooring will require a minimum of 12 hours to set. Light foot traffic can be allowed on the floor immediately but do not place furniture or allow rolling traffic for at least 48 hours.

#### **INSTALLATION:**

- A. Comply with manufacturer's instructions for terrazzo tile installation.
- B. Scribe, cut and fit tile to permanent fixtures, built-in furniture, cabinets, pipes, outlets and permanent columns, wall, and partitions using tile-cutting procedures recommended by tile manufacturer.
- C. Maintain reference markers indicated on subfloor for future cutting, by repeating on finished terrazzo tile floor.
- D. Lay tile from center marks established with principal walls discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid use of cut widths less than one half tile at perimeters. Lay tile square to room axis, unless otherwise indicated.
- E. Follow Trowel Size Requirements on *Fritztile Adhesive and Trowel Requirements (Document # 113)*.
- F. Lay tile using conventional procedures for laying resilient tile, placing tile carefully and firmly in position and as level as possible. Butt tile cleanly, evenly and snugly against adjacent tile.
- G. Match tiles for color and pattern by using tile from cartons in same sequence as manufactured and packaged, if cartons are so numbered. Do not install broken, cracked or chipped tiles.
- H. Roll and cross roll floor with 150 lb sectional roller continuously while tile is being laid. Use hand roller in areas that cannot be reached with large roller. Cease rolling when rolling has no more effect.
- I. Do not subject floors to traffic until adhesive is dry and hard and sealers and finishes are applied.
- J. Remove and replace tiles that are not flat, including lipped, cupped, curved, or poorly adhered tile. Remove rejected tile from site.

#### **AFTER INSTALLATION:**

Immediately after installation, remove any excess adhesive left on the floor by gently rubbing with a clean white cloth. If adhesive has dried, use a well-moistened, non-abrasive pad. Do not clean with any type of solvent-based cleaner.

#### **Protecting the floor:**

Unfinished flooring must be covered immediately to protect the surface before finishing. For prefinished floors, if construction will continue after installation, wait for 72 hours and then sweep the floor and cover with brown Kraft paper and protective boards if needed. If the floor is to be covered, be sure to cover the entire floor and do not leave any sections exposed to light.

**Floor Finish and Sealer:**

Once the installation is complete and the floor has been thoroughly cleaned, a minimum of 2 coats of FCP102 Sealer are required for commercial uses and high traffic areas.

Once the FCP102 has been applied and is thoroughly dry, a minimum of two coats of FCP300 Sealer and Finished are required for commercial uses and high traffic areas.

For more information visit [www.fritztile.com](http://www.fritztile.com) or call 800-345-6202.