



TERRAZZO
BRAND PRODUCTS

CONCORD
TERRAZZO
COMPANY

PRECAST INSTALLATION GUIDELINES

Concord Precast Terrazzo started manufacturing quality precast terrazzo products in 2004. Based in Charlotte, NC, Concord Terrazzo Company, Inc. has been supplying precast terrazzo wall-base, stair treads, tiles, countertops and other precast items throughout the Southern USA & beyond. Concord Precast manufactures all of their products in a fabrication shop located on the expansive Concord Terrazzo Company campus. All Concord Precast products meet or exceed all standards set forth by the National Terrazzo & Mosaic Association (NTMA). Our design specialists work with any and all construction professionals to create project specific shop drawings and work with designers and owners to create custom samples prior to any terrazzo being casted. Many of Concord Terrazzo Company's precast products are custom made and one of a kind.

- a) All installation of Concord Terrazzo Company's precast terrazzo products shall comply with the appropriate installation method in the current edition of the Tile Council of North America Handbook for Ceramic, Glass, and Stone Tile Installation. All specifications must also conform to local codes, ordinances, trade practices and climate conditions.
- b) All materials used for installation of Concord Terrazzo Company's precast terrazzo products must comply with the appropriate ANSI 118 and/or ISO 13007 standards and specifications. A minimum of 95% thin-set coverage is recommended on the back of the precast terrazzo. Terrazzo tile larger than 12" x 12" may require back-buttering. The corners of the terrazzo tile must have good mortar support to prevent cracking.
- c) Appropriate ANSI A-108 installation specifications that correspond with the selected TCNA installation method are to be followed. The surface to receive the terrazzo tile should be inspected and prepared. The location and frequency of EJ171 movement joint guidelines, placement techniques and grouting procedure should be followed. Minimum recommended grout size is 1/8"
- d) Concord Terrazzo Company's precast terrazzo products contain a sealant/protector prior to packaging. It is not required to reseal the precast products prior to or after installation.
- e) Grout is used to fill joints and pinholes. If a slight grout haze occurs, refer to grout manufacturer's directions on how to best remove grout haze.



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Terrazzo Stairs Installation

1. Inspection

- A. Examine the areas where precast epoxy terrazzo will be applied
 - i) Look for any defects in the existing work to ensure that there are no issues prior to installation.
 - ii) Inspect the surface for any potential cracks.
 - iii) Inspect surface for any changes that are beyond the tolerance established for the substrate.
- B. Before installing terrazzo stair treads, make sure to correct all defects.

2. Installation

- A. Setting of Precast Terrazzo
 - i. Setting methods do vary by product. To set the accuracy of the work, reference approved shop drawings. When bonding materials, always consult the material manufacturer for proper techniques.
 - ii. Setting Methods
 - 1. Epoxy based. Contact selected manufacturer for product instructions. Setting materials can change without notice, so check for updated information before starting a project.
 - 2. Weld attachment. Please contact the manufacturer for recommended welding guidelines as provided by your structural engineer. DO NOT run a continuous weld when attaching terrazzo to avoid over-heating and cracking of the terrazzo.
 - 3. Bolt attachment. Only use bolt-in option if weld attachment cannot be used. Do not torque the bolts too tightly in order to prevent cracking of the terrazzo.
 - iii. All thinset materials, including cement and epoxy based, requires a full setting bed applied to all surfaces, vertical or horizontal, that comes into contact with the substrate or structural base.
 - iv. Precast should be aligned straight and true to all dimensions. It may not vary more than 1/8" in length, height, or width.
 - v. If needed, install anchors shown in detail.
 - vi. Fill joints in between caulk or as specified.

B. Finish

- i. Clean stair treads with neutral cleaner. If there are any irregularities on the surface of the stairs, check and repair them.
- ii. Concord Terrazzo Company's precast terrazzo products contain a sealant/protector prior to packaging. It is not required to reseal the precast products prior to or after installation.

C. Inspection/Protection:

- i. Final inspection by owner and owner agent.
- ii. All terrazzo work should be protected by the General Contractor.