

GUIDE SPECIFICATIONS FOR PRECAST TERRAZZO STAIRS

Section 09

Part 1 – General

1.01 Related work specified in other sections

Note: Delete nonapplicable items

- A. Installation of concrete substrate to receive precast terrazzo stairs,
Section: _____
- B. Installation of metal stairs, either pan type or supporting tubular stringers,
Section: _____
- C. Backup walls of metal lath or masonry to receive precast terrazzo items,
Section: _____
- D. Sufficient water, temporary heat & light and adequate electric power with suitable outlets connected & distributed use within 100 feet of any working space.
Note: Ambient temperature shall be maintained at a minimum of 50° Fahrenheit.
- E. Substrate must meet L/360 at a minimum
- F. Broom clean area to receive precast terrazzo of all loose chips, laitance and all foreign matter.

1.02 Quality Assurance

- A. Acceptable supplier:
 - 1. Materials furnished shall meet NTMA specifications.
- B. Installer qualifications:
 - 1. The installer shall be a contractor member of NTMA and shall perform all work in accordance with NTMA standards.
 - 2. If the installer is not an NTMA contractor member, the installer shall submit a list of completed projects of a similar magnitude and complexity.

1.03 Submittal

- A. Shop Drawings:
 - 1. Submit shop drawings of all precast terrazzo items showing detail sections and profile of all precast items. Details shall show all reinforcing and special hardware for fastening rails.
- B. Samples:
 - 1. Submit maximum of 3 samples, 6"x6" in size for each color.
 - 2. Submit 2 copies of NTMA maintenance literature
- C. Certification:
 - 1. Suppliers shall furnish certification attesting that materials meet specification requirements.

1.04 Delivery, storage and handling

- A. Delivery of materials:
 - 1. Deliver materials in a manner to prevent damage to containers.
- B. Storage of materials:
 - 1. Store materials in a clean, dry and heated (if necessary) location (50° - 90° Fahrenheit) furnished by others.

1.05 Guarantee

- A. One year from the date of substantial completion of terrazzo installation.

Part 2 – Products

2.01 Products

- A. Setting material shall be either epoxy or polymer-based cement with approval of precast supplier and material supplier.
- B. Marble chips size to conform with NTMA gradation standards.
- C. Precast Terrazzo:
 - 1. Shape and size as indicated on drawings.
 - a. Typical size would be 3/4” at 6 ft +/- 1/8” length.
 - b. Other lengths and thicknesses may be available. Consult precast manufacturer.
 - 2. Abrasive safety lines may be added to meet local code. Consult precast supplier for type of abrasive and quantity of strip.
Note: Specify one-to-three-line abrasive inserts.
- D. Precast Terrazzo Stair Nosing:
 - 1. Must be a product/system that can be integrated into the fabrication process without impeding the ability to fabricate, grind, and polish the precast terrazzo stairs.
 - 2. Stair nosing systems must be verified as acceptable by the precast terrazzo fabricator.
- E. Terrazzo Cleaners:
 - 1. Ph factor between 7 and 10, where applicable.
 - 2. Biodegradable and phosphate free.
- F. Sealer:
 - 1. Ph factor between 7 and 10, where applicable.
 - 2. Shall not discolor or amber.
 - 3. Type specially prepared for use on terrazzo.
 - 4. Flash Point: ASTM D 56, 80° Fahrenheit minimum, where applicable.
 - 5. Neither after-market nor high polish systems are recommended on stairs.

Part 3 – Execution

3.01 Inspection

- A. Examine areas to receive terrazzo for:
 - 1. Defects in existing work that affect proper execution of terrazzo.
 - 2. Deviations beyond allowable tolerances for the substrate.
- B. Start work only when all defects have been corrected by others.

3.02 Installation

- A. Setting:
 - 1. Set accurately as shown on approved shop drawings. Setting methods are:
 - 2. Typical setting bed is to not exceed 1/4”. Additional material to correct deviation from plane in substrate may result in extra cost.
 - 3. Alignments of precast should be straight and true to all dimensions. It may not vary more than 1/8” in length, height or width.
 - 4. Install anchors as shown in the details.
 - 5. Fill joints between sections with caulking as per trade practice, or as specified.
- B. Protection:
 - 1. Upon completion, the work shall be ready for final inspection and acceptance by the owner or his agent.
 - 2. The general contractor shall protect the finished work from the time that the terrazzo contractor completes the work.