

# GUIDE SPECIFICATION FOR PRECAST TERRAZZO, STAIRS, COVE, OR STRAIGHT BASE, COPING, PLANTERS, WINDOW SILLS AND ANY ITEMS SPECIFIED AS PRECAST TERRAZZO

(Revised 6/94 Supersedes all previous Specifications for Precast Terrazzo)

## 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 and light, and adequate electric power with suitable outlets connected and distributed use within 100 feet of any working space.  
*NOTE: AMBIENT TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 50 DEGREES FAHRENHEIT.*
- E. 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. Installer shall be a contractor member of NTMA and shall perform all work in accordance with NTMA standards.
  2. If installer is not a contractor member of NTMA, installer shall submit a list of completed projects of a similar magnitude and complexity.

#### 1.03 SUBMITTAL

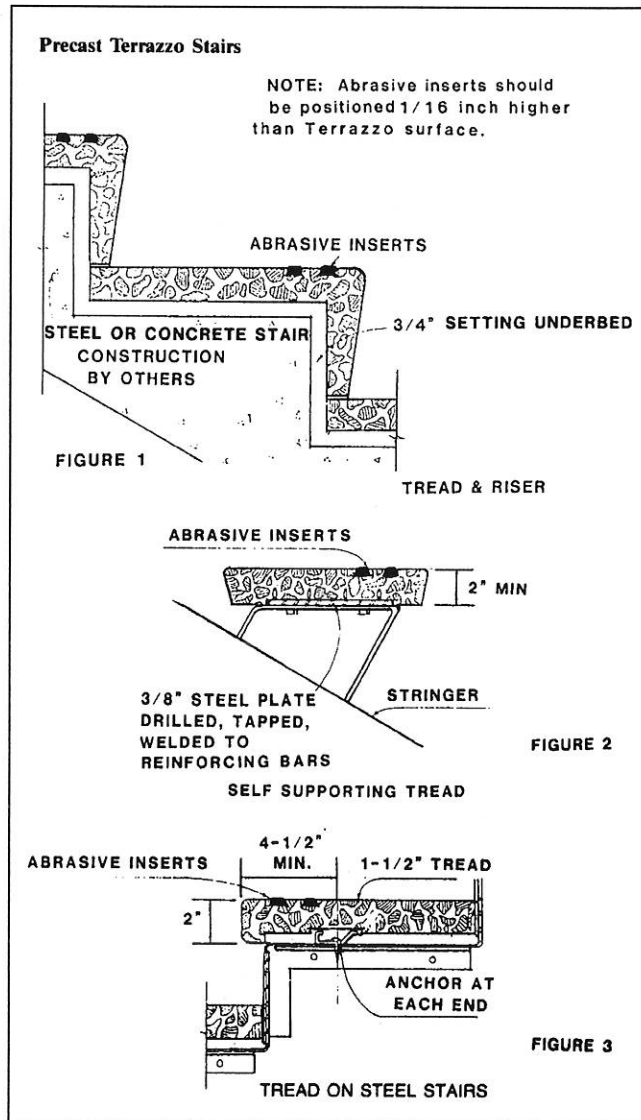
- A. Shop drawings:
  1. Submit shop drawings of all precast terrazzo items showing detail sections and profile of all precast items. Details shall show all reinforcing, and special hardware for fastening rails.
- B. Samples:
  1. Submit maximum of 3 samples, 6 x 6 in size for each color.
  2. Submit two 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.

#### 1.05 GUARANTEE

One year from date of substantial completion of Terrazzo installation.



## PART 2-PRODUCTS

### 2.01 PRODUCTS

- A. Portland cement: ASTM C 150 (Color) OR EPOXY (COLOR)  
*NOTE: SELECT AND SPECIFY WHITE OR GRAY FOR TERRAZZO TOPPING. WHITE CEMENT IS UNIFORM IN COLOR. GRAY CEMENT MAY NOT BE UNIFORM IN COLOR AND MAY PRODUCE A VARIATION OF SHADE IN THE MATRIX. (See product information)*
- B. Sand: Clean, washed, locally available sand. (FOR CEMENT ONLY)
- C. Marble Chips size to conform with NTMA gradation standards.
- D. Precast terrazzo:
  - 1. Shape and size exactly as indicated on drawings.
  - 2. Reinforce precast with deformed rods or wire mesh or both as recommended by precast terrazzo manufacturer.
  - 3. Abrasive safety lines shall be  
*NOTE: SPECIFY ONE TO THREE LINE ABRASIVE INSERTS.*
- 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. Penetrating type specially prepared for use on terrazzo.
  - 4. Flash Point: ASTM D 56, 80 degrees Fahrenheit minimum, where applicable.

## 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:
    - a. Mud set
    - b. Thin set
    - c. Weld
    - d. Bolt
  - 2. Alignment of precast should be straight and true to all dimensions. It may not vary more than 1/8" in length, height, or width.
  - 3. Install anchors as shown on details.
  - 4. Fill joints between sections with Portland Cement or 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.