

# 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. 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 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

One year from date of substantial completion of terrazzo installation.

### PART 2 - PRODUCTS

#### 2.01 Products

- A. Portland cement: ASTM C 150, 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.
- 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° 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.

