



Precast Cement Terrazzo Specification – Countertops / Slabs

Section 12 36 00

Part 1 – General

1.01 SUMMARY

- A. Types of Precast Terrazzo work included:
 - 1. Precast Terrazzo Cement Slab Countertops
 - 2. Precast Terrazzo Cement Mold-to-Size Countertops
- B. Installation of precast terrazzo slabs

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM)
 - 1. ASTM C-140
 - 2. ASTM C-293
- B. Marble Institute of America (MIA) Technical Module, Residential Stone Countertop Installation

1.03 SUBMITTALS

- A. Shop Drawings
 - 1. Submit shop drawings of all precast terrazzo mold-to-size items showing detail sections and profile for all precast items.
- B. Samples:
 - 1. Submit maximum of 3 samples 3" x 6" size for all color.
 - a. Color to be selected from Wausau Tile color pallet.
- C. Submit two copies of MIA Technical Module.

1.04 QUALITY ASSURANCE

- A. Comply with specifications under the current MIA installation guidelines for stone countertop installation.
- B. Slab sample colors are available upon request in polished finish only. Due to the natural characteristics of terrazzo, slabs and terrazzo tile colors can vary.
- C. Manufacturer to supply a written Quality Assurance Program and Procedure manual.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Packaging and Shipping: All slabs are palletized on long edge, vertical, on a 4-way pallet then shrink wrapped with legible manufacturer identification, including size, piece number, quantities, manufacturer date and inspector initials.
- B. Storage and Protection: Precast terrazzo to be stored indoors, in a climate-controlled environment, sheltered from moisture in original packaging. Store vertically and clamp together. Protect from damage by other trades.
- C. Report all damage due to shipment immediately. Customer is required to sign the Bill of Lading slip noting damaged product. Picture proof is required.

FEBRUARY 2020



1.06 WARRANTY

- A. Manufacturer shall warrant installed system for a period of 1 year from date of delivery against product defects.

Part 2 – Products

2.01 MANUFACTURERS

- A. Acceptable Manufacturer:
 - 1. Wausau Tile, Inc.
- B. Clarification Note: Drawings and specifications are based on manufacturer's proprietary literature from Wausau Tile, Inc. Other manufacturers shall comply with minimum levels of material specifications and detailing indicated on the drawings of specified herein.

2.02 MATERIALS

- A. Portland Cement: ASTM C-150 Specifications for Portland Cement.
- B. Aggregates: All aggregates to meet ASTM C-33 specifications, cleaned and properly graded to size. Aggregate shall be blended to meet individual project requirements.
- C. Marble chips, size to conform with NTMA gradation standards.
- D. Coloring; Pigments used shall be inorganic, resistant to alkalinity and used per manufacturer's recommendations.
- E. Slab Protection: Wausau Tile Precast Cement Terrazzo Slabs are provided with a factory applied initial protectant.

2.03 MANUFACTURED UNITS

- A. Precast Cement Terrazzo Slabs
 - 1. Size: 96" long x 62" wide x 1 ¼" (3 cm) thick, 41.33 s.f. per slab
 - 2. Mold-to-size countertops & slabs available upon request.
- B. Sizing Tolerances:
 - 1. All units to conform to shop drawings with a 1/16" tolerance in dimension.
- C. Precast Surfaces and Edges:
 - 1. Top slab surface finished only. Mold-to-size slabs are finished per approved shop drawings.
 - 2. All finished surfaces to be ground and polished, free of holes and to have overall uniformity in matrix and aggregate.
 - 3. All precast terrazzo finished surfaces to be sealed with a sealer approved by manufacturer.
- D. Color:
 - 1. Selected from Wausau Tile Cement Terrazzo Slab Color Palette
 - 2. Custom Colors or Color Matching prepared by request.
- E. Source Quality Control and Test Results
 - 1. Inspections: Documented inspection of Precast Cement Terrazzo Slabs quality control tests.

FEBRUARY 2020

2. In-house testing has been completed on standard Colors:
 - i. Compression - ASTM C140 (8,560 psi or higher)
 - ii. Absorption - ASTM C 140 (Results between 3.2 – 5.3)
 - iii. Flexural - ASTM C 293 (760 psi or higher)
 - iv. Fire Rating: E84-11a
 1. Flame Spread Index = 0
 2. Smoke Developed Index = 70
 3. Classification A
 - v. Scratch Resistance / Mohr's Hardness: 6-8 Glass Aggregates, 5-8 Rock Aggregates, 4-6 Matrix
 - vi. Stain testing / initial protection testing

Part 3 - Execution

3.01 INSPECTION

- A. Examine areas to receive precast terrazzo for the following:
 1. Defects in existing work.
 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. For fabrication & installation please refer to the Marble Institute of America (MIA) Technical Module Residential Stone Countertop Installation Guidelines.
http://www.marble-institute.com/pdfs/homeownersconsumer_countertops.pdf
- B. Protection:
 1. All slab materials will have an initial protectant added in the fabrication process. After fabricator cuts and finishes any edges in the field, those edges will require additional protection
 2. Applied Initial Protectant:
 - a. Initial protectant applied is Prosoco Consolideck SLX100 Water & Oil Repellent < 350
 1. Visit www.prosoco.com for your local Consolideck representative in your area. For product, environmental, job-safety assistance, technical support please call 800-255-4255
 3. Maintenance & Cleaning
 - a. Reference Prosoco EnviroCLEAN 2010 All Surface Cleaner product data sheet for more information. <http://www.prosoco.com/PDS>. For 24-hour emergency information call: 1-800-535-5053