



**09 30 16**  
**QUARRY TILE**

**PART I GENERAL**

**1.01 SUMMARY**

- A. Section Includes: Quarry tile and trim units, including unglazed quarry tile and trim units.
- **Specifier Note:** Revise Paragraph below to suit project requirements, Add section number per specifier's practice.
- B. Related Sections: Section(s) related to this section include:
1. Exterior Tile Units: Division 2 Unit Pavers Section.
  2. Concrete Substrate: Division 3 Concrete Sections.
  3. Plywood Subfloor: Division 6 Carpentry Sections.
  4. Waterproofing: Division 7 Waterproofing Sections.
  5. Sealants: Division 7 Joint Sealers Sections
    - **Specifier Note:** Coordinate Paragraph below to suit project requirements, Cementitious tile backer board, may be specified in Division 9 Gypsum Board Section or in Division 9 Tile Section.
  6. Tile Backer Board: Division 9 Gypsum Board Section.
    - **Specifier Note:** Coordinate Paragraph below to suit project requirements, This quarry tile section includes product materials only; section does not include installation material requirements which are specified in Division 9 Sections.
  7. Tile Installation: Division 9 Tile Section.
    - **Specifier Note:** References Article below may be omitted when specifying manufacturer's product and recommended installation, Retain references Article for specifying installation materials not manufactured by Ironrock Capital using the reference standard method. Establish policy for indicating edition date of standards referenced. Conditions of the Contract or Division 1 References Section may establish standard(s) edition date. This Article does not require compliance with standard, but is merely a listing of references used. Coordinate listed reference standards with other sections. Reference listed below are for proprietary product materials specified in this section. Coordinate reference for installation product materials with other sections.



Section, Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.

2. Warranty: Warranty documents specified herein.

- Specifier Note: Article below should include prerequisites, standards, limitations and criteria which establish overall level of quality for products and workmanship for this section. Coordinate below Article with Division 1

## 1.07 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty; Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under the Contract Documents.
- Specifier Note: Coordinate Paragraph below with manufacturer's warranty requirements, Manufacturer has specific notification requirements for claims of latent and nonlatent defects under the warranty.
  - 1. Warranty Period: ( Specify term ) years commencing on Date of Substantial Completion.
  - Specifier Note: Coordinate Article below with Division I Closeout Submittals, Maintenance Materials Section.

## 1.08 MAINTENANCE

- A. Extra Materials: Deliver to Owner extra materials from same production run as products installed, Package products with protective covering and identify with descriptive labels. Comply with Division I Closeout Submittals, Maintenance Materials Section.
- Specifier Note: Revise Paragraph below size and percentage as required.
  - 1. Quantity: Furnish quantity of full size units equal to 2% of amount installed for tile and trim units.
  - 2. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra materials.

## PART 2 PRODUCTS


- Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "approved equal" may cause ambiguity in the specifications, Such phrases require verification procedural, legal, regulatory and responsibility for determining equivalence of products.



A. Manufacturer: Metropolitan Ceramics, by Ironrock Capital, Inc.

Retain or delete Paragraph below per project requirements and specifier's practice.

1. Contact: P.O. Box 9240, Canton, OH 44711; Telephone: (800) 325-3945, (330) 484-4887; Fax: (330) 484-4880.

-  Edit Paragraph below to suit project requirements, Select proprietary products, products below are suitable for interior and exterior use.

2.

- vii. X' Tone Colors metallic additive tiles: ( #15X Malibu Beach.)(#31X Commercial Red),( #57X Stone Gray).
- c. ENVIROQUARRY® Quarry Tile
  - i. Tile Description: Unglazed, ~~re~~ived edge flat tile with in excess of 50% pre-consumer recycled content.
  - ii. Wearing Surface: (ASTM C501 Abrasion resistance index 35 or better.) ( Metropolitan tests at > 80 or better). (Specify face wearing surface).
  - iii. Coefficient of Friction (ASTM C1028): No industry standard. At time of manufacture, ENVIROQUARRY meets or exceeds measure of 0.70 dry and 0.60 wet. (Specify coefficient of friction).
  - iv. Face size tolerance (ASTM C499) Average facial dimension of each tile in the sample shall not vary more than 4% of nominal dimensions.
  - v. Thickness: 1/2" (13 mm).
  - vi. Colors: #850 Reduction Fired (range). (Runs may vary due to recycled content).
- d. DURA-QUARRY™ Quarry Tile
  - i. Tile Description: Unglazed, ~~re~~ived edge flat tile with in excess of 50% pre-consumer recycled content.
  - ii. Wearing Surface: (ASTM C501 Abrasion resistance index 35 or better.) ( Metropolitan tests at > 80 or better). (Specify face wearing surface).
  - iii. Coefficient of Friction (ASTM C1028): No industry standard. At time of manufacture, ENVIROQUARRY meets or exceeds measure of 0.70 dry and 0.60 wet. (Specify coefficient of friction).
  - iv. Face size tolerance (ASTM nom ( E)-9.9( Aver)-8.1( age f)-8.1( acial )19(dir
  - v.

- v. Face size tolerance (ASTM C499) Average facial dimension of each tile in the sample shall not vary more than 4% of nominal dimensions.
  - vi. Thickness: 1/2" (13 mm).
  - vii. Color: ( MT 31T Mayflower Red. ) ( MT 57T Puritan Gray.) (MT 15T Buckskin)
- f. Down to Earth® Quarry Tile:
- i. Tile Description: Unglazed, square edge flat tile with textured surface.
  - ii. Wearing Surface: (ASTM C501 Abrasion resistance index 35 or better.) Metropolitan tests at > 80 or better (specify wearing surface).
  - iii. Coefficient of Friction (ASTM C1028): No industry standard. At time of manufacture, all Metropolitan colors meet or exceed measure of 0.80 dry and 0.70 wet. (Specify coefficient of friction).
  - iv. Face size tolerance (ASTM C499) Average facial dimension of each tile in the sample shall not vary more than 4% of nominal dimensions
  - v. Thickness: 1/2" (13 mm).
  - vi. Colors: (#255 Desert Floor) (#155 Cobblestone) (#350 Red Paver) (#458 Bedrock)
3. Trim Product Description: Manufacturer's standard trim units.
  4. Protective Coating: No protective coating required. See manufacturer's recommendations for sealing.
  5. Quarry Tile Products Testing: Comply with ANSI A137.1.
    - Specifier Note: Edit Paragraph below to suit project requirements, If substitutions are permitted, edit text below Add text to refer to Division 1 Product Requirements, Product Substitution Procedures Section.

B.



- A. Source Quality: Obtain quarry tile from a single manufacturer.

## PART 3 EXECUTION

- Specifier Note: Retain or delete Article below to suit project requirements and specifier's practice.

### 3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions.

### 3.02 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

### 3.03 PREPARATION

- A. Surface Preparation: Prepare substrates to receive quarry tile in accordance with industry installation reference standards and manufacturer's installation instructions.
- Specifier Note: Coordinate Article below with manufacturer's recommended installation details and instructions.

### 3.04 INSTALLATION

- A. References:
  1. ANSI Tile Installation Standard: Comply with ANSI A108 series.
  2. TCA Installation Reference: Comply with TCA Handbook for Ceramic Tile Installation.
- B. Field Blending: Mix and blend tile from several cartons to ensure random distribution of shade variations.
  
- C. Floor Tile Installation:
  1. General: Install quarry floor tile and trim in accordance with industry reference standards.
  2. Joint Widths: Allow for joints widths in quarry floor tile as indicated on drawings.
- D. Wall Tile Installation
  1. General: Install quarry wall tile and trim in accordance with industry reference standards.

