

SECTION 09310 - CERAMIC TILEPART 1 - GENERAL1.01 DESCRIPTION OF WORK

- a) The extent of the glazed wall tile and ceramic mosaic tile is shown on the Drawings and in Schedules.
- b) All ceramic tile work as required or implied by Drawings and/or Specifications including:
  1. Thin-set mortar applications at floor and walls.

1.02 QUALITY ASSURANCE

- a) Provide tile certified by the Tile Council of America (TCA) to equal or exceed the Standard Grade Requirements of ANSI A137.1.
- b) When using setting and grouting materials manufactured under TCA license, provide identification and formula number on each container.
- c) Provide materials obtained from only one source for each type of tile and color to minimize variations in appearance and quality.

1.03 SUBMITTALS

- a) **Manufacturer's Data:** Submit two (2) copies of manufacturer's specifications and installation instructions for all materials required, except bulk materials. Include certifications and other data as may be required to shown compliance with these specifications. Indicate by transmittal that a copy of each instruction has been distributed to the installer.
- b) **Samples:** Submit three (3) samples of each type, class and color of tile required, not less than 12 inch square on plywood or hardboard backing, and grouted as required. Architect's review will be for color, pattern and texture only. Compliance with all other requirements is the exclusive responsibility of the Contractor.
- c) **Certification:** Provide manufacturer's Master Grade Certification bearing TCA Certification Mark and stating type and location of each different material.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- a) Deliver materials and store on site in original containers with seals unbroken and labels intact until the time of use, in accordance with manufacturer's instructions.

### 1.05 JOB CONDITIONS

- a) Installer must examine the substrate and the conditions under the ceramic tile is to be installed. Notify the Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

## PART 2 - PRODUCTS

### 2.01 GLAZED TILE, WALLS and BASE

- a) "Standard-grade" units, complying with ANSI A137.1 and as follows:
  1. Matte glazed.
  2. Size: 4-1/4" x 4-1/4" x 5/16"
  3. MFR: American Olean
  4. Pattern: Standard grid with accent strips.

### 2.02 CERAMIC MOSAIC TILE FLOOR

- a) "Standard-grade" units, complying with ANSI A137.1 and as follows:
  1. Abrasive grain.
  2. Size: 1" x 2"
  3. Manufacture: American Olean
  4. Pattern: Standard grid with accent strips.
  5. ADA: C.O.F. .80 and above is recommended for commercial applications to meet or exceed ADA Guidelines. Highly Skid Resistant.

### 2.03 TRIM AND SPECIAL SHAPES

- a) Rounded external corners and trim shapes at head, jamb and sill of opening of same material and finish as glazed tile, and as follows:
  1. Base: See Drawings.
  2. External Corners: Bullnose shapes, with an inside radius of not less than 3/4", unless otherwise shown.
  3. Internal Corners: Field-buttet square, except use square corner, combination angle and stretcher type cap.

## 2.04 MORTAR AND GROUT

- a) Organic tile adhesive and grout materials: As specified in the ANSI A108 series of materials and installation specifications. Color as selected by Architect from submitted samples.
- b) Organic Tile Adhesive: Comply with ANSI A136.1, with manufacturer's certification of conformance. Provide primer-sealer as recommended by adhesive manufacturer.
- c) Commercial Cement Grout: A proprietary compound of Portland Cement and additives, factory-blended to decrease shrinkage and increase moisture resistance. Products offered by manufacturers to comply with the requirements for modified Portland Cement grout include the following:
  1. Hydroment Cement Tile Grout: The Upco Co.
  2. L.M. Acid-R Grout: L.M. - Surco Co.

## 2.05 MARBLE THRESHOLDS (to meet handicapped accessibility)

- a) Beveled edge, 4" width and thickness as required for installation flush with tile.
- b) Locations: All exposed tile edges under door openings.

## 2.05 UNCOUPLING MEMBRANE

- a) **“Schluter-Ditra” uncoupling membrane Ditra 5M, install as per manufactures requirements under floor tile. Verify condition of existing floor before installing new flooring.**

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- a) Comply with ANSI standard installation specifications A108.1 through A108.7 and the Tile Council of America "Handbook for Ceramic Tile Installation", except as otherwise shown or specified.
- b) Adhesive Set Floor Tile: ANSI A108.4
- c) Adhesive Set Wall Tile: ANSI A108.4

- d) Mud Set Floor Tile: TCA B-414.
- e) Handle, store, mix and apply proprietary setting and grouting materials in compliance with the manufacturer's instructions.
- f) Extend tile work into recesses and under fixtures and equipment, to form a complete covering without interruptions except as otherwise shown. Terminate work neatly at obstructions, edges and corners without disruption of patterns or joint alignment.
- g) Setting Beds: Provide settings beds as shown on Drawings. When not otherwise indicated, provide the following, subject to specified limitations:
  - 1. Use organic adhesive setting bed only on waterproofed gypsum board and masonry.
- h) Jointing Pattern: Unless otherwise shown, lay tile in grid pattern. Align joints when adjoining tiles on floor, base, walls and trim are the same size. Lay out tile work and center tile fields both directions in each space or each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise shown.

### 3.03 ADJUST AND CLEAN

- a) Cleaning: Unglazed tile may be cleaned with acid solutions only when permitted by the tile and grout manufacturer's printed instructions, but not sooner than ten (10) days after installation.
- b) Finished Tile Work: Leave finished tile installation clean and free of cracked, chipped, broken, unbonded or otherwise defective tile work.
- c) Protection: Protect installed ceramic tile work with kraft paper or another heavy duty covering during the construction period to prevent damage and wear.

END OF SECTION