

**SECTION 09310 - CERAMIC TILE****PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data and Samples.
- B. Floor Tiles: Static coefficient of friction not less than 0.6 per ASTM C 1028.

**PART 2 - PRODUCTS****2.1 CERAMIC TILE**

- A. Ceramic tile that complies with standard grade requirements in ANSI A137.1, "Specifications for Ceramic Tile."
- B. Ceramic Mosaic Floor Tile: Unglazed field and glazed border, cushion-edged tile.
  - 1. Basis-of-Design Products:
    - a. American Olean: Satinglo, Unglazed Ceramic Mosaic
  - 2. Surface: Smooth, without abrasive admixture.
  - 3. Module Size: 2 by 2 inches (50.8 by 50.8 mm) borders and fields. Square edged cove base trim to match border.
  - 4. Color: To be determined
  - 5. Tiles mounted, by manufacturer's standard method, into sheets.
- C. Glazed Wall Tile – Toilet Rooms: Cushion-edged, flat tile.
  - 1. Basis-of-Design Products:
    - a. American Olean: Matte and Bright
  - 2. Module Size: 4 ¼ by 4 ¼ inches (108 by 108 mm).
  - 3. Color: To be determined.
  - 4. Finish: Bright, opaque glaze, and; Matte, opaque glaze.
  - 5. Tiles mounted, by manufacturer's standard method, into sheets and grouted with silicone rubber grout complying with ANSI A118.6.
- D. Tile trim units per drawings and as required that match characteristics of adjoining flat tile.
- E. Where indicated, protect exposed surfaces of tile against adherence of mortar and grout by factory precoating them with a hot-applied continuous film of petroleum paraffin wax. Do not coat unexposed tile surfaces.

## 2.2 INSTALLATION MATERIALS

- A. **Setting and Grouting Materials:** Comply with material standards in ANSI's "Specifications for the Installation of Ceramic Tile" that apply to materials and methods indicated.
1. **Thin-Set Mortar Type:** Latex-portland cement.
  2. **Grout Type:** Standard cement, unless otherwise indicated.
  3. **Grout Color:** To be determined.
- B. **Setting-Bed Accessories:** ANSI A108.1A.

## 2.3 STONE THRESHOLDS

- A. **White, honed marble thresholds** complying with the Marble Institute of America's Group A requirements for soundness, and with ASTM C 503 fabricated to be not more than 1/2 inch (12.7 mm) above adjoining finished floor surfaces, with transition edges beveled on a slope of no greater than 1:2.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Comply with tile installation standards in ANSI's "Specifications for the Installation of Ceramic Tile" that apply to materials and methods indicated.
- B. Comply with TCA's "Handbook for Ceramic Tile Installation."
- C. **Floor Tile Installation Method:**
1. **Over Concrete Subfloors:** TCA F115 (thin-set mortar bonded to concrete subfloor, with epoxy grout).
- D. **Wall Tile Installation Method[s]:**
1. **Over Gypsum Board:** TCA B413 (latex-portland cement mortar bonded to water-resistant gypsum board).
- E. Lay tile in pattern shown on drawings. Align joints where adjoining tiles on floor, base, walls, and trim are the same size.
- F. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.

END OF SECTION 09310