

## ARCHITECTURE

### 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 – Wall and floor tile is covered by an allowance and will be selected at a later date.

- A. Ceramic tile that complies with standard grade requirements of ANSI A137.1, "Specifications for Ceramic Tile."
- B. Ceramic Floor Tile 1: Unglazed, porcelain, cushion-edged tile,:
  - 1. Module Size: **12 by 12 inches.**
  - 2. Color: As selected by Architect from manufacturers' standard colors.
  - 3. Surface Finish: Standard stone texture finish.
  - 4. Location: Common area Lobby
- C. Ceramic Floor Tile 2: Unglazed, porcelain cushion-edged tile,:
  - 1. Module Size: **8 by 8 inches.**
  - 2. Color: As selected by Architect from manufacturers' standard colors.
  - 3. Surface Finish: Standard finish.
  - 4. Location: Toilet Rooms
- D. Ceramic Wall Tile: Unglazed, porcelain cushion-edged tile,:
  - 1. Module Size: **6 by 6 inches.**
  - 2. Color: As selected by Architect from manufacturers' standard colors.
  - 3. Surface Finish: Standard finish.
  - 4. Location: Toilet Rooms
- 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 CERAMIC TILE BASE – Wall and floor tile is covered by an allowance and will be selected at a later date.

- A. Ceramic Wall Tile Base: Unglazed, porcelain cushion-edged tile, cove base:
  - 1. Module Size: **6 by 6 inches.**
  - 2. Color: As selected by Architect from manufacturers' standard colors.
  - 3. Surface Finish: Standard finish.
  - 4. Location: Toilet Rooms

##### 2.3 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. "Sonogrip" crack suppression, latex, acoustic adhesive as manufactured by SonoGrip Canada, and also distributed as "FlexGrip" by Dal Tile.

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2. Latex Portland Cement Grout ANSI A118.6 with Acrylic resin Latex additive (water emulsion) serving as replacement for part or all of guaging water added to portland cement dry grout mixture.
  3. Grout Color: As selected by Architect from manufacturer's standard colors.
- B. Crack Suppression and Anti-Fracture Membrane:
1. Laticrete Blue92 Anti-Fracture Membrane; as manufactured by Laticrete International, Inc.
- 2.4 STONE THRESHOLDS
- A. Tan, 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."
1. Floor Tile Installation Method: TCA F113 (thin-set mortar bonded to waterproofing membrane bonded concrete slab).
  2. Wall Tile Installation Method: TCA B413 (thin-set mortar bonded to water-resistant gypsum board).
- C. Install acoustic underlayment with adhesives, approved by the manufacturer, under entire area to receive tile to reduce impact noise to residential unit below.
- D. CRACK SUPPRESSION - At visible cracks, spread layer of waterproofing/crack suppression liquid and reinforce by embedding 6" (15cm) wide strip of reinforcing fabric into liquid. Spread a topcoat of liquid over fabric. Spread a layer of waterproofing liquid in coves. Imbed a 6" (15cm) wide strip of reinforcing fabric and flash up walls. Spread a coat of liquid over the fabric to seal it. Flash waterproofing into any drains and around projections. Lap fabric 2"(5cm) at seams.
- E. Lay tile in grid pattern, unless otherwise indicated. 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**