

SECTION 09300

TILE

1 PART 1 GENERAL

1.1 SUMMARY

- A. Section includes ceramic, ceramic mosaic, quarry, paver, tile for interior floor and wall applications; cementitious backer board as tile substrate; and thresholds at door openings.

1.2 SUBMITTALS

- A. Shop Drawings: Indicate patterned applications and thresholds.
- B. Product Data: Submit instructions for using grouts and adhesives.
- C. Samples: Submit manufacturer's complete set of color samples for initial selection of each type of tile and grout.
- D. Maintenance Stock: 5% of each type, color and finish of tile.

1.3 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: Submit recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with TCA Handbook and ANSI A108 Series/A118 Series.
- B. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- C. Installer: Company specializing in performing Work of this section with minimum three years documented experience approved by manufacturer.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Do not install adhesives in an unventilated environment.
- B. Maintain ambient and substrate temperature of 50 degrees F (10 degrees C during installation of mortar materials).

2 PART 2 PRODUCTS

2.1 TILE

- A. Manufacturers: All products same manufacturer.
 - 1. American Olean Tile Co.
 - 2. Dal-Tile International

3. Metropolitan Ceramics.
4. Summitville Tiles Inc.
5. United States Ceramic Tile Co.

B. COMPONENTS

1. Unglazed Ceramic Mosaic Tile: Provide factory-mounted flat tile complying with the following requirements:
 - a. Composition: Porcelain.
 - b. Nominal Facial Dimensions: 2 inches by 2 inches.
 - c. Nominal Thickness: 1/4 inch.
 - d. Face: Plain with cushion edges.
 - e. Base: Cove base of same material as floor tile.
 - f. Trim Units: Provide tile trim units to match characteristics of adjoining flat tile and to comply with following requirements:
 - 1) Base for Thinset Mortar Installations: Coved.
 - 2) Wainscot Cap for Thinset Mortar Installations: Surface bullnose.
 - 3) External Corners for Thinset Installations: Surface bullnose.
 - 4) Internal Corners: Field-buttet square corners, except use coved base and cap angle pieces designed to member with stretcher shapes.
 - g. Size: As indicated, coordinated with sizes and coursing of adjoining flat tile where applicable.
 - h. Shapes: As follows, selected from manufacturer's standard shapes:
 - 1) Base for Thinset Mortar Installations: Coved.
 - 2) Wainscot Cap for Thinset Mortar Installations: Surface bullnose.
 - 3) External Corners for Thinset Installations: Surface bullnose.
 - 4) Internal Corners: Field-buttet square corners, except use coved base and cap angle pieces designed to member with stretcher shapes.
2. Paver Tile: ANSI A137.1, conforming to the following:
 - a. Moisture Absorption: 0 to 0.5 percent.
 - b. Equal to Dal Tile Porcialto Graniti
 - c. Size: 8x8x5/16 inch.
 - d. Shape: Square
 - e. Edge: Square.
 - f. Surface Finish: Non-slip
 - g. Color: As selected.
3. Base: Same as floor tile. Match floor tile for moisture absorption, surface finish, and color:
 - a. Length: Tile length.
 - b. Height: 4 inch.
 - c. Top Edge: Square
 - d. Internal Corner: Coved
 - e. External Corner: Bullnosed
 - f. Color: As selected.
4. Grout Materials:
 - a. Standard Grout: Latex-Portland cement type as specified in ANSI A118.6; color as selected.
5. Cementitious Backer Board: ANSI A118.9; High density, glass fiber reinforced, 5/8 inch thick; 2 inch wide coated glass fiber tape for joints and corners.
6. Thresholds: At underside of all doors at ceramic tile transitions. Marble white color, honed finish, 1/2x5 inch size by full width of wall or frame opening,

beveled both sides, radiused edges from bevel to vertical face, complying with ADA accessibility requirements.

7. Tile Floor Edging: Extruded aluminum.

3 PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are ready to receive work.

3.2 PREPARATION

- A. Install cementitious backer board. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.

3.3 INSTALLATION

- A. Install tile, thresholds, and grout in accordance with applicable requirements of ANSI A108.1 through A108.10, and TCA Handbook recommendations.
- B. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor, base and wall joints.
- C. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- D. Grout tile joints. Use standard grout unless otherwise indicated.
- E. Floors:
 1. Over interior concrete substrates, install in accordance with TCA Handbook Method F113, latex-portland cement bond coat, with standard grout, unless otherwise indicated.
 - a. Where waterproofing membrane is indicated, install in accordance with TCA Handbook Method F122, with latex-portland cement grout
- F. Showers And Bathtub Walls:
 1. At tiled shower receptors install in accordance with TCA Handbook Method B415, mortar bed floor, and W244, thin-set over cementitious backer unit walls
 - a. Seal joints between tile work and other work with sealant specified in Section 07900.
- G. Wall Tile:
 1. Over cementitious backer units install in accordance with TCA Handbook Method W244, at toilet rooms, kitchens, locker rooms.

...END OF SECTION