

SECTION 09 30 00

TILE

PART 1 GENERAL

1.01 QUALITY ASSURANCE

- A. Furnish tile conforming with Standard Grade requirements of ANSI 137.1
- B. Conform to Tile Council of America "Handbook for Ceramic Tile Installation" and ANSI A108, A118 and A136 as applicable.
 - 1. For kitchens that are "High Volume" kitchens which prepare food for multiple schools the epoxy grout shall meet ANSI A118.5.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Daltile
- B. Capco
- C. American Olean

2.02 MANUFACTURERS

- A. Provide only domestically manufactured ceramic and quarry tiles.
- B. Provide tile-setting and grouting material as approved by tile manufacturers.

2.03 MATERIALS

- A. Unglazed Quarry Tiles:
 - 1. Composition: Non-abrasive smooth face quarry tile
 - 2. Module Size: 8 by 8 or 6 by 6 inches
 - 3. Nominal Thickness: 3/8"
 - 4. Face: Plain w/relieved edges
- B. Unglazed Ceramic Tiles:
 - 1. Composition: Non-abrasive porcelain
 - 2. Module Size: 2 by 2 inches (or larger)
 - 3. Nominal Thickness: 1/4"
 - 4. Face: Plain with cushion edges
- C. Glazed Wall Tile:
 - 1. Composition: Porcelain
 - 2. Module Size: 4.25" x 4.25"
 - 3. Nominal Thickness: 5/16"
 - 4. Face: Matte glaze finish, cushion edge
- D. Trim Shapes: As required for a complete installation, of same material, size, color and finish of field tile. Provide shapes from manufacturer's standards as follows:
 - 1. Wainscot Cap: Surface bullnose.
 - 2. Base: Butt Cove base
 - a) Provide a minimum of 6" butt cove base at all quarry tile flooring locations.

3. In-Corner: Manufactured inside trim with coved base and cap angle pieces to match with stretcher shape.
 4. Out-Corner: Manufactured outside trim.
 5. Jamb: Surface bullnose where tile projects from jamb.
- E. Waterproofing For Thinset Tile: One-part liquid-applied urethane in a consistency suitable for trowel application and intended for use as both waterproofing and tile-setting adhesive in a two-step process.
- F. Setting Materials: Latex-modified, acrylic based portland cement thinset mortar complying with ANSI A118.4.
- G. Grouts:
1. For all floors and walls: Epoxy grout (pigmented).
 2. Grout colors shall be white for wall tile and grey for floor tile where ceramic tile is used. For quarry tile-use only dark grout colors.
- H. Floor Leveling Compound: Multi-purpose acrylic latex admixture with a maximum depth of $\frac{3}{4}$ " and a minimum compressive strength of 3700 psi. Complying with ASTM-C190, ASTM D-3931, ASTM C-109.
- I. Backing/Substrate material: use appropriate water resistant materials such as cement board.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Comply with manufacturers instructions and applicable ANSI standard installation specifications series A108, A118 and A136.
- B. Maintain minimum temperature limits and installation practices as recommended by proprietary mortar and grout materials manufacturer.
- C. Unless otherwise noted, lay tile in grid pattern. Align joints when adjoining tiles on floor, base, walls and trim are the same size.
- D. Provide joint width of 1/16" to 0.125" for ceramic tile, 1/4" for quarry tile.
- E. Install tile per Tile Council of America methods appropriate to substrate.
- F. Provide expansion and control joints per Tile Council of America EJ171 and A3.4 of ANSI A1008 series.- use one-part pourable urethane sealants for expansion and control joints.
- G. Installation of floor tile over existing flooring of any type is prohibited, NO EXCEPTIONS.

END OF SECTION 09 30 00