

## **SECTION 09 30 00 – TILING**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. Section includes:
  - 1. Thin set tile at wall areas indicated.
  - 2. Thin set tile at floor and base areas indicated.
  - 3. Thin set mortar for thin set floor tile.
  - 4. Organic adhesive for wall tile installation.
  - 5. Unsanded grout at wall, base, and floor tile.
- B. Related Work of Other Sections:
  - 1. Section 03 30 00 "Cast-In-Place Concrete."
  - 2. Section 06 40 00 "Architectural Woodwork."
  - 3. Section 07 92 00 "Joint Sealants."
  - 4. Section 10 28 13 "Toilet Accessories."

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for manufactured products and accessories.
- B. Samples: Submit grout color samples. If requested by Architect provide grouted actual tile samples, approximately 1-ft sq., of each type and color of tile and grout required.

### **PART 2 - PRODUCTS**

#### **2.1 PRODUCTS AND MANUFACTURERS**

- A. Refer to Finish Legend and Finish Schedule on the Drawings for tile product selections, colors, sizes and locations.

#### **2.2 SETTING MATERIALS, GROUT AND ACCESSORIES**

- A. Use the following setting materials and grout in accordance with ANSI A 108 series installation specifications indicated and Tile Council of American "Ceramic Tile: The Installation Handbook".
- B. Dry-Set Mortar (Thin Set Floors): Bostik "Tile-Mate 710/713" with "Hydroment Multi-Purpose Acrylic Additive", complying with ANSI A 118.1 and ANSI A 108.5 installation specifications. Subject to compliance with requirements, provide equivalent products by C-Cure, Mapei or Texas Cement Products will be acceptable as approved.

- C. Organic Tile Adhesive (Thin Set Walls): Bostik "7001 Mastic", complying with ANSI A 136.1, Type I, and ANSI A 108.4 installation specifications. Subject to compliance with requirements, provide equivalent products by C-Cure, Mapei or Texas Cement Products will be acceptable as approved.
- D. Grout: ANSI A118.6; Laticrete 1600 Series (Unsanded) and Laticrete 1500 Series (Sanded), in colors as selected by Architect. Subject to compliance with requirements, provide equivalent products by C-Cure, Bostik, Mapei, or Texas Cement Products will be acceptable as approved. Install grout in accordance with ANSI A108.10 installation specifications.
  - 1. Grout Colors: Refer to Finish Legend and Finish Schedule on the Drawings for product selections, colors, sizes and locations.
- E. Water-Cleanable Epoxy Grout: ANSI A118.3. Refer to Finish Legend and Finish Schedule on the Drawings for product selections, colors, sizes and locations. Subject to compliance with requirements, provide products of one of the following:
  - 1. Atlas Minerals & Chemicals, Inc.
  - 2. Bonsal American; an Oldcastle company.
  - 3. Bostik, Inc.
  - 4. C-Cure.
  - 5. Custom Building Products.
  - 6. Laticrete International, Inc.
  - 7. MAPEI Corporation.
  - 8. Southern Grouts & Mortars, Inc.
  - 9. Summitville Tiles, Inc.
- F. Metal Edge Trim: Schuter-Systems A 80 5/16" high extruded aluminum edge trim.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine the areas and conditions under which ceramic tile work is to be applied and do not proceed with the work until unsatisfactory conditions have been corrected in an acceptable manner.

#### **3.2 PREPARATION**

- A. Preparation of Subfloors: Prior to start of applying ceramic tile work, broom clean, or vacuum surfaces to be covered and inspect the subfloor. Start of application operations will indicate acceptance of surface conditions and full responsibility for the completed work.

#### **3.3 INSTALLATION**

- A. Comply with the applicable parts of ANSI A 108 series of tile installation standards included under "American National Standard Specifications for the Installation of Ceramic Tile" and the Tile Council of America "Ceramic Tile: The Installation Handbook".
  - 1. Dry-Set (Thin-Set) Floor Tile and Glass Wall Tile: ANSI A108.5.
  - 2. Organic Adhesive Set Wall Tile: ANSI A 108.4.
  - 3. Tile Set in Portland Cement Mortar Bed: ANSI A 108.1.
  - 4. Sanded and Dry-Set Tile Grout: ANSI A108.10

- B. Handle, store, mix, and apply proprietary setting and grouting materials in compliance with the manufacturer's instructions.
- C. Extend tile work into recesses and under fixtures to form a complete covering without interruptions. Terminate work neatly at obstructions, edges, and corners without disruption of pattern or joint alignment.
- D. Jointing Pattern: Lay tile in grid pattern with joints aligned to produce design indicated. Align joints on floor, base, walls, and trim. Lay out tile work and center tile field in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform grouted joint widths.
- E. Expansion and Control Joints: Provide where shown, and as recommended in the TCA "Handbook for Ceramic Tile Installation". Install removable strips of the same depth as the finished tile system. Remove strips after grouting and curing operations. Refer to Section 07 92 00 for sealants.

### **3.4 GROUT INSTALLATION**

- A. Use unsanded cement grout for grouting wall and floor tile joints, except quarry tile and paver tile.
- B. Use sanded cement grout for grouting large format tile.

### **3.5 CLEANING**

- A. 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 days after installation.
- B. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken, unbonded, and other defective tile work.
- C. Protection: Protect installed ceramic tile work with Kraft paper or other heavy covering during the construction period to prevent damage and wear.

**END OF SECTION 09 30 00**