

SECTION 093050 - TILE TRIM AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Edge-protection and transition profiles for floors.
- B. Finishing and edge-protection profiles for walls.

1.2 RELATED REQUIREMENTS

- A. Section 093000 - Tiling.

1.3 REFERENCE STANDARDS

- A. ANSI A118.10 - American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation.
- B. ANSI A118.13 - American National Standard Specification for Bonded Sound Reduction Membranes for Thin-Set Ceramic Tile Installation.
- C. ASTM E2179 - Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors.
- D. IAPMO PS 106 - Tileable Shower Receptors and Shower Kits.
- E. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation.

1.4 SUBMITTALS

- A. See Section 013300 - Submittal Procedures for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical characteristics; including sizes, patterns and colors/finishes available; and installation instructions.
- C. Selection Samples: Submit manufacturer's complete set of finish/color samples for Architect's initial selection.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches long, representing actual product, color, and finish.
- E. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- F. Manufacturer's Certificates: Certification that products meet or exceed specified requirements.
- G. Warranty document showing duration and scope to be submitted with product submittals.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years of documented experience.
- C. Maintain at project site copies of reference standards relating to installation of products specified.
- D. Source Limitations for Tile Trim and Accessories: Obtain product of a uniform quality for each application condition from a single manufacturer.
- E. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Reinstall mock-up area as required to produce acceptable work.
- F. Preinstallation Conference: Conduct conference at the Project site in conjunction with preinstallation conference required in Section 093000 - Tiling.
 - 1. Convene one week prior to commencing work of this section.
 - 2. Require attendance of tile installer and installers of related work. Review installation procedures and coordination required with related work.
 - 3. Meeting agenda includes but is not limited to:
 - a. Surface preparation.
 - b. Tile and installation material compatibility.
 - c. Manufacturer and installer warranty duration and scope covered by warranty.
 - d. Edge protection, transition, and pre-fabricated movement joint profiles.
 - e. Waterproofing techniques.
 - f. Crack isolation techniques.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
- C. Store materials in a dry, warm, ventilated weathertight location.
- D. Protect trim materials from damage by storing on end.

1.7 PROJECT CONDITIONS

- A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

1.8 WARRANTY

- A. Provide sample warranty during submittal process.

- B. Acknowledge warranty duration and scope covered by warranty.
- C. Coordinate Work with other operations and installation of floor finish materials to avoid damage to installed materials.
- D. Obtain products of a uniform quality for each premanufactured tile trim profile from a single manufacturer, to maintain the installation system and provide multi-product warranty from selected manufacturer.

1.9 COORDINATION

- A. Coordinate Work with other operations and installation of floor and wall finish materials to avoid damage to installed materials.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: Schluter Systems L.P.; www.schluter.com/schluter-us/en_US/.
- B. Substitutions: See Section 016000 - Product Requirements.

2.2 EDGE-PROTECTION AND TRANSITION PROFILES FOR FLOORS

- A. L-shaped profile with 1/8 inch wide visible surface integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
 - 1. Anchoring Leg: Straight anchoring leg.
 - 2. Profile Height: As required to coordinate with tile selection and setting system.
 - 3. Material and Finish: AE: Satin Anodized Aluminum.
 - 4. Product:
 - a. Basis of Design: Schluter Systems L.P.; Schluter-SCHIENE;
www.schluter.com/schluter-us/en_US/.

2.3 FINISHING AND EDGE-PROTECTION PROFILES FOR WALLS AND COUNTERTOPS

- A. Profile with square visible surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
 - 1. Corners and Connectors: Provide matching inside corners, outside corners, and internal connectors.
 - 2. Profile Height: As required to coordinate with tile selection and setting system.
 - 3. Material and Finish: AE: Satin Anodized Aluminum.
 - 4. Product:
 - a. Basis of Design: Schluter Systems L.P.; Schluter-QUADEC;
www.schluter.com/schluter-us/en_US/.

PART 3 EXECUTION

3.1 EXECUTION, COORDINATION

- A. Coordinate the work of this section with the work of Section 093000 - Tiling.

3.2 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.4 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Utilize longest length trim pieces manufactured. Only install joined trim pieces when the length required exceeds the maximum length that is manufactured.
- C. Install internal connectors from the trim manufacturer to align joined trim pieces.
- D. Install corner pieces from the trim manufacturer to properly align trim pieces at inside and outside corners.
- E. Cut pieces to required length utilizing a fine saw. Do not cut trim pieces using snips or similar scissor-type tools.
- F. Install trim with the thin-set mortar used for the tile installation. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed. If the trim is to be used as edging for an outside wall corner, finish tiling one wall first; then trowel thin-set mortar over the corner area of the second wall.
- G. Trowel additional thin-set mortar over the perforated anchoring leg to ensure full coverage and support of the tile edges.
- H. Press the profile into the mortar and align.
- I. Solidly embed the tiles so that the tiled surface is flush with the top of the profile; the profile should not be higher than the tiled surface, but rather up to approx. 1/32" (1 mm) lower.
- J. Set the tile to the integrated joint spacer, which ensures a uniform joint of 1/16" - 1/8" (1.5 - 3 mm). With stainless steel profiles, leave a space of approximately 1/16" - 1/8" (1.5 - 3 mm).
- K. Fill joints completely with grout or setting material.
- L. Work with materials and tools that will not scratch or damage sensitive surfaces. Setting materials must be removed/cleaned immediately.

3.5 PROTECTION

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- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 093050