

SECTION 09 30 50
TILE SETTING MATERIALS AND ACCESSORIES
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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Finishing and edge-protection profiles for walls and countertops.
- B. Setting materials: adhesives, mortars, grouts, and sealants.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 05 55 00 - Metal Stair Treads and Nosings.
- C. Section 06 10 00 - Rough Carpentry.
- D. Section 07 90 00 - Joint Protection.
- E. Section 09 29 00 - Gypsum Board.
- F. Section 09 30 00 - Tiling.
- G. Section 09307 - Tile Shower Components and Waterproofing Membrane. Shower trays, curbs, ramps, bench, niche, sealing compound, waterproofing membrane, drainage panels, drainage membrane compatible with floor drains.
- H. Section 10 26 13 - Corner Guards.
- I. Section 22 30 00 - Plumbing Equipment.
- J. Section _____ - Radiant Heating Units: electric cables, electric mats, and hydronic piping.

1.3 REFERENCES

- A. CSA B79-08: Floor, Area, and Shower Drains, and Cleanouts for Residential Construction.
- B. IAPMO IGC 195: Interim Guide Criteria for Floor Drain with Integrated Bonding Flange.
- C. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation.
- D. Terrazzo, Tile and Marble Association of Canada (TTMAC) Specification Guide 09300 Tile Installation Manual.
- E. American National Standard Specifications for the installation of ceramic tile A108 / A118 / A136.1.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.

- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, color, and finish.
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing the work of this section with minimum five years experience.
- B. Source Limitations for Setting Materials and Accessories: Obtain product of a uniform quality for each application condition from a single manufacturer.
- C. 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, color, and sheen are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.
- D. Preinstallation Conference: Conduct conference at the Project site.
 - 1. Convene one week prior to commencing work of this section.
 - 2. Require attendance of installation material manufacturer, tile supplier, 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. Edge protection, transition and pre-fabricated movement joint profiles.
 - d. Waterproofing techniques.
 - e. 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.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 COORDINATION

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

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Schluter Systems, L.P., 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841. ASD. Tel: (800) 472-4588. Fax (800) 477-9783. E-mail:specassist@schluter.com. Web:www.schluter.com.
- B. Acceptable Manufacturer: Schluter Systems (Canada) Inc., 21100 Chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8. Tel: (800) 667-8746. Fax (514) 336-2410. E-mail:specassist@schluter.com. Web:www.schluter.ca.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 UNCOUPLING MEMBRANE

- A. Schluter-DITRA-HEAT-DUO
 - 1. Description: 5/16" (8 mm) thick, orange, high-density polypropylene membrane with a cut-back stud structure, specifically designed to secure Schluter®-DITRA-HEAT electric heating cables in place. An integrated sound control layer and thermal break in the form of a thicker bonding fleece is laminated to its underside. When tested according to the ASTM E2179 "Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors," a flooring assembly consisting of the membrane and porcelain tile produces a Δ IIC value of 20. The membrane conforms to the definition for uncoupling membranes in the Tile Council of North America Handbook for Ceramic Tile Installation, meets or exceeds the requirements of the ANSI A118.13 "American National Standard Specifications for Bonded Sound Reduction Membranes for Thin-Set Ceramic Tile Installation," meets or exceeds the requirements of the ANSI A118.10 "American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation," and is listed by cUPC® (see File No. 4654) and evaluated by ICC-ES (see Reports No. ESR-2467 and PMG 1204).
 - 2. Thermostat:
 - a. Programmable
 - b. Non-Programmable.
 - 3. Heating Cable Voltage:
 - a. 120V.
 - b. 240V.
 - 4. Heating Cable:
 - a. Heating cable placement as detailed.
 - 5. Waterproofing seaming membrane:
 - a. Provide KERDI BAND Seams and Corners material 0.004 inch (0.1 mm) thick, orange polyethylene membrane, with polypropylene fleece laminated on both sides.

PART 3 EXECUTION

3.1 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.

3.2 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.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

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

END OF SECTION