

ARCHITECTURAL SPECIFICATIONS FOR ARCUSSTONE FINISHES

SECTION 09 24 00 PORTLAND CEMENT PLASTERING

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Portland cement based finish coating(s).

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Section 01 42 19 - Reference Standards may establish the edition date of standards. This article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.02 REFERENCES

- A. ASTM International (ASTM):
1. ASTM C67 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.
 2. ASTM C150 Standard Specification for Portland Cement.
 3. ASTM C897 Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters.
 4. ASTM C926 Standard Specification for Application of Portland Cement-Based Plaster.
 5. ASTM C932 Standard Specification for Surface-Applied Bonding Compounds for Exterior Plastering.
 6. ASTM C1063 Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster.
 7. ASTM D1784 Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor either before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Section [01 33 00 - Submittals Procedures] [_____].

1.03 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Section [01 33 00 - Submittal Procedures] [_____].
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA® sheet, for specified products.
- C. Samples: Submit 12 inch × 12 inch (305 × 305 mm) samples of specified coating(s) showing texture and color.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: All applications of ArcusStonecoat™ and ArcusPlaster™ shall be by installers who have attended the manufacturer's basic installation instruction session and have completed a minimum of 2 projects of similar size and scope.
- B. Mockup: Install at project site a job mockup using acceptable products and manufacturer approved installation methods. Obtain Owner's and Architect's acceptance of finish color, texture and pattern and workmanship standard prior to commencement of Work. Comply with Section [01 43 39 - Mockups] [_____].
1. Mockup Size: 4 feet × 4 feet (1.2 × 1.2 m).
 2. Maintenance: Maintain mockup for workmanship comparison through substantial completion of Work; remove and legally dispose of mockup when no longer required.

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Section 01 41 00 - Regulatory Requirements. Repetitive statements should be avoided.

- C. Regulatory Requirements: In accordance with Section [01 41 00 - Regulatory Requirements] [_____].

1.05 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Section [01 61 00 - Common Product Requirements] [_____].
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Specifier Note: Coordinate article below with Conditions of the Contract and with Section 01 78 36 - Warranties.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Apply ArcusStone coatings when ambient temperature is greater than 40 degrees F (4 degrees C) and when temperature is expected to remain above 40 degrees F (4 degrees C) for 48 hours following application.

1.07 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit in accordance with Section [01 78 36 - Warranties] [_____] for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 PORTLAND CEMENT COATINGS

Specifier Note: Paragraph below is an addition to CSI SectionFormat and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier's practice.

- A. Manufacturer: ArcusStone Products, LLC.
 - 1. Contact: 180 Harbor Dr., Suite 200, Sausalito, CA 94965; Telephone: (415) 339-4060 / Fax: (415) 339-4065; E-mail: info@arcusstone.com; website:www.arcusstone.com.

Specifier Note: Retain one or both products below to conform to project requirements. If both products are retained, create designators and coordinate with drawings. Refer to manufacturer's SPEC-DATA sheet for substrates to which these coatings can be applied.

- B. ArcusStonecoat: Blend of limestone aggregate, bonding agents and Portland cement.
 - 1. Weight: One psf (4.88 kg/m²), average, for each 1/8 inch (3.2 mm) of thickness when tested in accordance with ASTM C67.

Specifier Note: Thickness below is manufacturer's recommended thickness.

2. Thickness: 3/8 inch (9.5 mm).
3. Maximum Area Requirement: Exterior vertical and horizontal applications, 6 ft² (0.56 m²); interior vertical applications, 25 ft² (2.3 m²); and interior horizontal applications, 6 ft² (0.56 m²). Countertops may be installed without control joints if installed in accordance with the manufacturer's recommendations.

Specifier Note: Insert selected color and texture below. If more than one color and/or texture is selected, create designators and coordinate with drawings. Contact manufacturer for information about custom colors and textures.

4. Color: [_____].
 5. Texture: [_____].
- C. ArcusPlaster: Blend of limestone aggregate, bonding agents and Portland cement:
1. Weight: One psf (4.88 kg per m²), average, for each 1/8 inch (3.2 mm) of thickness when tested in accordance with ASTM C67.

Specifier Note: Thickness below is manufacturer's recommended thickness.

2. Thickness: 3/16 inch (4.8 mm).
3. Maximum Area Requirement: 144 ft² (13.4 m²), with a maximum length to width ratio of 2.5 to 1.

Specifier Note: Insert selected color and texture below. If more than one color and/or texture is selected, create designators and coordinate with drawings. Contact manufacturer for information about custom colors and textures.

4. Color: [_____].
5. Texture: [_____].

2.02 MATERIALS

- A. Limestone Aggregates: ASTM C897.
- B. Bonding Agents: ASTM C932.
- C. Portland Cement: ASTM C150.
- D. Water: Potable.

2.03 ACCESSORIES

- A. General: Control joints, corner mesh, corner beads, base screeds, casing beads, reveal screeds and vented screeds shall comply with ASTM C1063 and ASTM D1784.

2.04 MIXES

- A. Proportion and mix coating(s) in accordance with manufacturer's recommendations.

2.05 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

PART 3 EXECUTION

Specifier Note: Paragraph below is an addition to CSI SectionFormat and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify that substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.03 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions:
 1. Clean concrete and masonry surfaces in accordance with ASTM C926.
 2. Apply bonding agent in accordance with ASTM C932.
 3. Protect adjacent work from soiling and moisture deterioration caused by ArcusStone coating application.
 4. Provide temporary covering to minimize spattering of ArcusStone coating materials on other work.

3.04 PROTECTION

- A. Protect ArcusStone coatings against uneven and excessive evaporation and from strong flows of dry air. Provide covers and barriers to deflect sunlight and wind.

END OF SECTION