



TECHNICAL BULLETIN

Sample Specification

SECTION 09220

METAL LATH AND PORTLAND CEMENT PLASTER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Metal lath and accessories.
- B. Three coat portland cement plaster system [with integral color finish coat] [with acrylic finish coat].

1.2 RELATED SECTIONS

- A. [Section 05400 – Cold-Formed Metal Framing System.]
- B. [Section 06101 – Rough Carpentry.]
- C. Section 07920 – Sealants.
- D. Section 09250 – Gypsum Board.
- E. [Section 09900 – Painting.]

1.3 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only. Refer to Section 01420 for definitions, acronyms, and abbreviations.
- B. Unless otherwise noted, standards, manuals, and codes refer to the latest edition as of the date of issue of this Project Manual.

C. Referenced Standards, Manuals, and Codes:

1. ASTM A641/A641M – Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire.
2. ASTM A653/A653M – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
3. ASTM A924/A924M – Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process.
4. [ASTM A1011/A1011M – Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon Structural, High-Strength Low-Alloy and High Strength Low-Alloy with Improved Formability.]
5. ASTM B117 – Standard Practice for Operating Salt Spray (Fog) Apparatus.
6. ASTM C150 – Standard Specification for Portland Cement.
7. ASTM C206 – Standard Specification for Finishing Hydrated Lime.
8. ASTM C841. – Standard Specification for Installation of Interior Lathing and Furring.
9. ASTM C897 – Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters.
10. ASTM C926 – Standard Specification for Application of Portland Cement-Based Plaster.
11. ASTM C1002 – Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.
12. ASTM C1063 – Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster.
13. ASTM C1116 – Standard Specification for Fiber-Reinforced Concrete and Shotcrete.
14. [ASTM D1117 – Standard Guide for Evaluating Nonwoven Fabrics.]
15. [ASTM D1308 – Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.]
16. [ASTM D4060 – Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser.]
17. [ASTM D4541 – Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.]
18. [ASTM E96 – Standard Test Methods for Water Vapor Transmission of Materials.]
19. [ASTM G26 – Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials.]
20. [FS TT-C-555B – Coating, Textured (For Interior and Exterior Masonry Surfaces.)]
21. PCA Portland Cement Plaster (Stucco) Manual.

1.4 SUBMITTALS

- A. General: Submit in accordance with Section 01330.
- B. Product Data: Submit manufacturer's descriptive literature, product specification, and installation instructions for each product.
- C. Samples: Submit two 12 inch by 12 inch sample for each type of color and texture.
- D. [Sustainable Building Design Submittals: Submit the following in accordance with Section 01352.
 - 1. Regional materials.
 - 2. Recycled content.]
- E. Closeout Submittals: Cleaning and maintenance information.

1.5 QUALITY ASSURANCE

- A. Applicator Qualifications: Firm specializing in installing work specified in this Section with experience on at least 5 projects of similar size and scope in past 3 years.
- B. [Mock-Up Requirements: Provide mock-up in accordance with Section 01435.]
- C. Coordination: Coordinate work in this Section with work in related Sections.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Comply with requirements of Section 01600.
- B. Deliver products in manufacturer's original containers, dry and undamaged, with seals and labels intact.
- C. Maintain site in a neat and orderly appearance, do not scatter materials and equipment. Clean tools and equipment at designated areas only.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Cold Weather Conditions:
 - 1. Do not apply cement plaster when ambient temperature is below 35 degrees F.
 - 2. Do not apply cement plaster to any frozen surfaces or surfaces containing frost.
 - 3. Protect plaster coats from freezing for at least 24 hours after application.
 - 4. Do not use frozen materials.
 - 5. Enclose plastering work with protective covers and provide heating, ventilating, and dehumidifying equipment if necessary; if cement plastering is done in temperatures below 35 degrees F.

B. Warm Weather Conditions:

1. Protect base coats and finish coat from uneven and excessive evaporation in warm, windy weather.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:

1. Amico – Alabama Metal Industries Corp. (3245 Fayette Ave., PO Box 3928, Birmingham, AL 35208; toll free: 800.366.2642; phone: 205.787.2611; fax: 205.786.6527; URL: <http://amico-lath.com>).
2. Flannery, Inc. (300 Parkside Dr., San Fernando, CA 91340; phone: 818.337.7585; fax: 818.837.1155; URL: <http://www.flannerytrim.com>).
3. Fry Reglet Corp. (906 Curie Dr., Alpharetta, GA 30005; toll free: 800.237.9773; phone: 770.521.9660; fax: 800.200.4379; URL: <http://www.fryreglet.com>).
4. Gibco Industries (PO Box 880, Langley, OK 74350; toll free: 800.822.0802; phone: 918.782.4000; fax: 918.782.4002; URL: <http://www.gibco-usa.com>).
5. K-Lath Building Products (13470 Philadelphia Ave., Fontana, CA 92337; toll free: 800.669.5284; phone: 909.360.8288; fax: 909.360.8288).
6. Keene/Metalex – Keene Building Products (1530 Artaius Parkway, PO Box 399, Libertyville, IL 60048; toll free: 800.323.0792; phone: 847.362.8300; fax: 847.362.7939; URL: <http://www.metlx.com> ; or contact Western Metal Lath Inc.).
7. Stockton Products (4675 Vandenberg Drive, North Las Vegas, NV 89031; toll free: 877.862.5866; fax: 702.651.0948; URL: <http://www.stocktonproducts.com>).
8. Structa Wire Corp. (1390 East 3rd Ave., Vancouver, British Columbia, V5N 5R8, Canada; toll free: 800.887.4708; phone: 604.251.8981; URL: <http://www.structawire.com>).
9. Western Metal Lath Inc., (6510 General Drive, Riverside, CA 92509; toll free: 800.365.LATH; fax: 909.360.3131; URL: <http://www.wmlinc.com>).

B. Substitutions: Conform to Section 01600.

2.2 [SUSTAINABLE BUILDING DESIGN REQUIREMENTS

A. Comply with Section 01352.

- B. Provide steel materials of this Section with a minimum [60%] [XX%] recycle content (combined post consumer and post industrial).

- C. Provide a minimum of 50% (in total value) materials and products of this Section that are extracted, harvested or recovered (as well as manufactured) within 500 miles of the project site.]

2.3 METAL LATH AND PLASTERING ACCESSORIES

A. [Wire Fabric Lath (use at wood framed substrate):

1. Self-furring welded wire fabric; No. 16 B.W. gage (ASTM A641/A641M, hot-dipped galvanized Class 1), 2 inch by 2 inch, minimum 1.16 lbs/yd², in accordance with CBC Table 25-B. Acceptable products: as manufactured by K-Lath Building Products, or approved equal.
2. Acceptable alternative: Self-furring welded wire fabric; No. 17 B.W. gage (ASTM A641/A641, hot-dipped galvanized Class1), 1.5 inch by 1.5 inch, minimum 1.15 lbs/yd²; with current ICC ES Report. Acceptable products: No. 17 Gage Structalath S.F. CR by Structa Wire Corp. (ICC-ES ER-5550), or approved equal.]

B. [Metal Lath [(use at metal framed substrate)]: Self-furring expanded metal lath (diamond mesh), hot-dipped galvanized minimum G60 coating (ASTM A653/A653M), minimum 3.4 lbs/yd², in accordance with CBC Table 25-B. Acceptable products: as manufactured by Western Metal Lath, Amico, or approved equal.]

C. [3/8 Rib Lath (use at horizontal applications): 3/8 inch expanded metal lath, deep longitudinal ribs; hot-dipped galvanized minimum G60 coating (ASTM A653/A653M), minimum 3.4 lbs/yd², in accordance with CBC Table 25-B. Acceptable products: as manufactured by Western Metal Lath, Amico, or approved equal.]

D. [Security Metal Lath: 16 gage expanded; high strength low alloy (HSLA) steel, meets or exceeds ASTM A1011/A1011M; 0.82 lbs/ft²; pre-galvanized minimum G60 coating. Acceptable product: No. ASL .50-16R by Amico, or approved equal.]

E. Plastering Accessories: Conforming to ASTM C1063; fabricated from galvanized steel (ASTM A924/A924M, minimum 26 gage, G60 coating) [or hot-dipped steel wire (ASTM A641/A641M, Class 1)], unless otherwise noted.

1. [External Corner Wire Reinforcement (use at wood framed substrate): Wire mesh bent at approximately 90 degrees with nose wire electrically welded; 2.5 inch standard legs, or short flange as required, Acceptable products: as manufactured by Western Metal Lath, Stockton Products, K-Lath Building Products, or approved equal.]
2. [Expanded Corner Bead [(use at metal framed substrate)]: Acceptable products: No. 1A Expanded Corner Bead by Western Metal Lath, X-1 Corner Bead by Amico, or approved equal.]
3. Casing Beads: Size – grounds thickness by 1-1/4 inch flange. Acceptable products: No. 66 Short Flange Casing Bead by Western Metal Lath, X-66 Casing Bead by Amico, SFC by Stockton Products, or approved equal.

4. Expanded Flange Casing Bead: Size – grounds thickness by 3 inch flange. Acceptable products: No. 66 Expanded Flange Casing Bead by Western Metal Lath, X-66 Expanded Casing Bead by Amico, J Bead (J-8) by Stockton Products, or approved equal.
5. Cornerite: Expanded metal lath (diamond mesh), 3 inch wide flanges, hot-dipped galvanized minimum 3.4 lbs/yd². Acceptable products: as manufactured by Western Metal Lath, Amico, or approved equal
6. Strip Lath: 4 inch wide expanded metal lath (diamond mesh), hot-dipped galvanized minimum G60 coating (ASTM A653/A653M), minimum 3.4 lbs/yd². Acceptable products: as manufactured by Western Metal Lath, Amico, or approved equal.
7. Weep Screed: Size – grounds thickness by 3-1/2 inch flange. Acceptable products: No. 7 Sill Screed by Western Metal Lath, No. 7 Foundation Weep Screed by Amico, No. 7 Weep Screed by Stockton Products, or approved equal.
8. Expansion Control Joints: Size – grounds thickness by 4 inches; expanded metal flanges. Acceptable products: No. XJ15-3 by Keene/Metalex, Griplock J Type by Amico, or approved equal.
9. Adjustable Expansion Control Joint: Size – grounds thickness by 2-1/4 inch, reveal adjusts from 1/4 inch to 5/8 inch. Acceptable products: No. 40 Adjustable Expansion Joint by Keene/Metalex, No. 40 2-Piece Expansion Joint by Amico, or approved equal.
10. Reveal Expansion Joints: Extruded aluminum alloy 6063-T5 clear anodized finish with rubber gasket and built-in weep; size – 7/8 inch by 3-1/2 inch, with 3/4 inch reveal. Acceptable products: No. EXPW 75-75 by Flannery, Inc., or approved equal.
11. Channel Screeds: Extruded aluminum alloy 6063-T5, clear anodized finish; size – 1 inch by 3/4 inch reveal. Provide factory fabricated intersections, corners, and end caps. Acceptable products: No. PCS-100-75 by Fry Reglet, or approved equal.
12. Soffit Vent Screed: Size: 3/4 inch by vent width as shown on drawings; 1/8 inch holes. Acceptable products: Soffit Vent/Reveal Screed (SVR) by Stockton Products, or approved equal.
13. Soffit Transition Mold: Size 3/4 inch by vent width as shown on drawings; 1/8 inch holes. Acceptable products: Soffit Transition Mold (STR) by Stockton Products, or approved equal.

F. Metal Lath Fasteners:

1. [Wood framing:
 - a. Self-furring galvanized nails, 7/16 inch diameter head by length as required for at least 3/4 inch embedment into framing members.
 - b. Self-drilling wafer head screws, ASTM C1002, Type W, No. 8 by length as required for at least 3/4 inch embedment into framing members, minimum 500 hour corrosion resistant finish per ASTM B117.]

2. [Metal framing: Self-drilling wafer head screws, ASTM C1002, Type S. No. 8 by length as required for at least 3/8 inch into steel framing, minimum 500 hour corrosion resistant finish per ASTM B117.]
3. Tie wire: Galvanized; not less than No. 18 gage for securing metal lath and lacing; not less than 16 gage for other applications.

2.4 CEMENT PLASTER

A. Cement: ASTM C150, Type I or II, low alkali, gray color.

B. Aggregate: ASTM C897; gradation as follows:

Sieve Size	Percent Retained on Each Sieve by Weight	
	Maximum	Minimum
No. 4	0	–
No. 8	1	0
No. 16	4	1
No. 30	6	3
No. 50	9	7
No. 100	10	90-9

No more than 50% of sand shall be retained between any two consecutive sieves and no more than 25% between sieve No. 50 and No. 100.

C. Water: Clean, fresh, potable, and free from organic matter or minerals injurious to the plaster and to any metal in the system.

D. Lime:

1. ASTM C206, Type S.
2. Plasticity agents to replace lime: Conform to CBC Section 2508 with current ICC-ES Report. Acceptable products: Gibco MRF and PRF Liquid and Dry Admixtures (ICC-ES ER-3213) by Gibco Industries, Pozalite (ICC-ES ER-6248) by Stockton Products, or approved equal.

E. Plaster Mix Reinforcement (for base coat): ASTM C116; alkali resistant glass fibers, 1/2 inch nominal length.

F. [Acrylic Finish Coat:

1. Acceptable Manufacturers and Products:

- a. Dryvit Systems, Inc. (One Energy Way, PO Box 1014 West Warwick, RI 02893; toll free: 800.556.7752; phone: 401.822.4100; URL: <http://www.dryvit.com>). Product: Weatherlastic.

- b. Omega Products International, Inc. (toll free: 800.600.6634; fax: 909.737.8636; URL: <http://www.omega-produc.com>). Product: AkroFlex Finishes.
- c. Parex Inc. (PO Box 189, 1870 Stone Mountain-Lithonia Rd., Redan, GA 30074; toll free: 800.537.2739; fax: 770.482.6878; URL: <http://www.parex.com>). Product: DPR Finish.
- d. SonoWall – Degussa Wall Systems, Inc. (3550 St. Johns Bluff Rd, South Jacksonville, FL 32224; toll free: 800.249.1841; fax: 904.996.6035; URL: <http://www.sonowall.cc>). Product: StuccoTex.
- f. Sto Corp. (3800 Camp Creek Parkway SW Building 1400, Suite #120, Atlanta, GA 30331; toll free: 800.221.2397; fax: 404.346.3119; URL: <http://www.stocorp.com>)

2. Description: Pre-mixed, vapor permeable, 100% acrylic polymer finish coat with crushed mineral aggregates, properties as follows:

Adhesion to concrete (ASTM D4541):	100 psi minimum.
Water vapor transmission (ASTM E96):	3.8 perms minimum.
Accelerated weathering (ASTM G26; 2,000 hours):	No cracking, checking, blistering or adhesion loss.
Wind driven rain (FS TT-C-555B):	Pass.
Abrasion resistance (ASTM D4060; 1,000 cycles):	6.8% weight loss maximum.
Chemical resistance (ASTM D1308)	Good resistance to mild acids, alkalis, and salts.

3. Related products: Leveler and primer by finish coat manufacturer.

4. Color and Texture: As selected by Architect.]

G. [Integral Color Pre-Mixed Finish Coat: Acrylic modified, water-repellent portland cement base with integral color.]

H. Mixes: Mix and proportion cement plaster in accordance with ASTM C926 and PCA Portland Cement/Stucco Manual. Mix plasticity agents (lime replacement admixtures) in accordance with manufacturer’s instructions and ICC-ES report.

2.5 RELATED PRODUCTS

A. Building Wrap: [Refer to Section 09250.] [Vapor permeable (breathable) building wrap with a perm rating of 6.5 or more per ASTM E96; excellent tear resistance, minimum 12 lbs/inch (machine direction) and 10 lbs/inch (cross direction) trapezoidal tear per ASTM D1117.

1. Acceptable products:

- a. 100% flash spunbonded, high density polyethylene (HDPE). Product: Tyvek CommercialWrap manufactured by DuPont (DuPont Merck Plaza, PO Box 80705, Wilmington, DE 19880-0705, phone: 800.448.9835; fax: 800.203.0013; URL: <http://www.dupont.com>),

- b. Non-woven, non-perforated, polyolefin. Product: Styrofoam Weathermate Plus manufactured by Dow Chemical Co. (200 Larkin Center, 1605 Joseph Drive, Midland, MI 48674; phone: 866.583.2585; fax: 989.832.1465; URL: <http://www.dow.com/styrofoam>),
 - c. Micro-perforated cross-laminated polyethylene. Product: Rufco Commercial Wrap manufactured by Raven Industries Inc (P.O. Box 5107, Sioux Falls, SD 57117-5107; phone: 605.336.2750; URL: <http://www.ravenind.com>),
 - d. or approved equal.
- 2. Tape: UV resistant tape, type as recommended and provided by building wrap manufacturer compatible with its product.
 - 3. Self-Adhering Flashing Tape: Polyethylene backed rubberized adhesive membrane; thickness: 25 mils. Acceptable products: Grace Vycor Plus manufactured by Grace Construction Products (62 Whittenmore Av., Cambridge, MA 02140; toll free: 877.423.6491; fax: 877.423.6492; URL: <http://www.na.graceconstruction.com>), Rufco Shield manufactured by Raven Industries, or approved equal.]

B. Sealants: Refer to Section 07920.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine job site conditions and verify substrate is ready to receive work.
- B. Inspect installed work of other trades and verify such work is complete to the point work of this section may begin.
- C. Verify substrate is plumb, level, square, and aligned.
- D. Report unacceptable conditions to the Architect. Begin installation only when unacceptable conditions have been corrected.
- E. Beginning of installation means acceptance of existing conditions.

3.2 PREPARATION

- A. Protect surfaces near the work of this Section from damage or disfiguration.

3.3 BUILDING WRAP INSTALLATION

- A. [Refer to Section 09250].
- B. [Apply building wrap per manufacturer's instructions.

- C. Weatherlap edges 6 inches minimum horizontally and vertically; continue 6 inches minimum around inside and outside corners; and fasten in place.
- D. Seal all seams with sealing tape.
- E. Apply self-adhering flashing tape at wall penetrations, openings, and where indicated on the drawings.]

3.4 METAL LATH AND ACCESSORIES INSTALLATION

A. General:

1. Install metal lath in accordance with CBC Section 2506 and Table 25-B.
 2. Install trims, moldings, and accessories using longest possible lengths – no termination of a section within 24 inches of an intersection, with the exception of pre-manufactured trim accessory joint intersections.
 3. Install vertical joints continuously; abut horizontal joints to vertical. Terminate vertical joints at horizontal reveals, flashings design, and horizontal surface breaks. Butt end joints of trims, moldings, and accessories for accurate alignment.
 4. Weatherseal trim accessory joints by embedding in sealant at intersections, butt-ended joints, and at terminations.
 5. At sheathed frames, where vertical joints require lath to be cut and installed on top of joint flanges; locate vertical trim at framing members. Fasten lath to framing with appropriate fasteners through the trim accessory flange and sheathing. Double frame supports, coordinate with work of related sections.
 6. Install trims and accessories that ensures a true, level, and plumb plaster surface.
 7. Install trims and accessories in accordance with the required thickness (depth of grounds) of cement plaster system.
 8. Secure trims and accessories firmly in place without misalignment during plastering.
- B. Apply metal lath with the long dimension across the supports with true even surfaces, and without sags, or buckles in accordance with ASTM C841. Orient metal lath on vertical surfaces to provide maximum mechanical bond with plaster. Apply upper sheets to overlap lower sheet.
 - C. Secure metal lath to framing members at maximum 6 inches on center, furred out away from the substrate at least 1/4 inch.
 - D. Reinforce inner corners with cornerites, fasten as recommended by manufacturer. Cornerites may be omitted where metal lath returns at least 3 inches from corner to form angle reinforcement.
 - E. Reinforce outer corners with corner beads. Apply fasteners as recommended by manufacturer, spaced not less than 18 inches on center.

F. Reinforce openings with 4 inch wide strip mesh applied a minimum of 8 inches diagonally, each direction, from point of corner.

G. Place casing beads at terminations of plaster finish.

H. Control and Expansion Joints:

1. Locate control joints as indicated on the drawings; or where not specifically indicated, at panel sizes of approximately 150 to 180 square feet, in a square configuration as possible with maximum panel length of 18 feet, and panel size not to exceed 3 to 1 ratio. Unless otherwise noted, control joints may be applied over continuous lath.
2. Locate cement plaster expansion joints at building expansion joints and where indicated on the drawings. Cut lath and lap over each of the flanges. Coordinate with work of related sections.

3.5 PLASTERING

A. Apply plaster in accordance with ASTM C926.

B. Plaster Thickness:

1. Per ASTM C926, as follows:

Application	Nominal Thickness (inches)		
	Scratch Coat	Brown Coat	Finish Coat
Vertical	3/8	3/8	1/8
[Horizontal]	[1/4]	[1/4]	[1/8]

2. Control plaster thickness and surface evenness using grounds or screeds. Use temporary screeds or plaster screeds within plastered areas to supplement fixed grounds and screeds.

C. Apply scratch coat (first coat) in nominal thickness with sufficient material to form good keys and completely embed the lath, and allow for scoring of cement plaster surface. Lightly score scratch coat horizontally.

D. Apply brown coat (second coat) in nominal thickness, over damp scratch coat. If required, apply a fine spray of clean water, so as to dampen only, but do not saturate; allow sheen to disappear before applying brown coat.

E. Apply brown coat with sufficient material and pressure to ensure a tight uniform bond to scratch coat.

F. Ideally, for sheathed frame construction, apply scratch and brown coats successively (double-back method); applying the brown coat only when the scratch coat is rigid enough to receive it. This creates a better bond between successive coats.

G. If brown coat cannot be applied within 4 hours, keep scratch coat moist for at least 48 hours before applying brown coat.

H. Rod brown coat to a true, even plane, filling surface defects with cement plaster.

I. [Stucco Finish Coat:

1. Apply finish coat over base coat (scratch and brown coats) after curing at least 7 days. Apply 1/8 inch thick finish coat to damp plaster base coat. Dampen the base coat with a mist of clean water to obtain uniform suction. Do not saturate – there should be no visible water on the surface when the finish coat is applied.
2. Apply finish coat with sufficient material and pressure to ensure a tight bond with the base coat. Apply in uniform thickness and consistent finish.]

3.6 CURING OF BASE COAT (SCRATCH AND BROWN COATS)

A. Moist cure base coat when ambient temperature is 77 degrees F or higher and/or when relative humidity is below 70%, and the conditions are windy.

B. Moist cure base coat as follows:

1. only when the base coat has set and is hard,
2. in the morning and late afternoon for at least 2 days,
3. with a fine mist of clean water; do not saturate,
4. cover with polyethylene sheets to retard evaporation during extreme weather conditions.
5. do not moist cure base coat that is subject to freezing.
6. [do not moist cure stucco finish coat except in severe climatic conditions, e.g. extreme heat, strong winds, and low relative humidity; as moist curing finish coats can cause discoloration.]

3.7 [ACRYLIC FINISH COAT

A. Apply acrylic finish coat in accordance with manufacturer's instructions.

B. Surface Preparation:

1. Examine and verify cement plaster base coat to receive acrylic finish coat.
 - a. Verify the basecoat is structurally sound, clean, dry, and free of efflorescence.
 - b. Verify basecoat pH level is below 10.
 - c. Verify ambient temperature is at least 40 degrees F and rising during application and at least 24 hours after application.
2. Remove and repair loose, deteriorated base coat. Treat soft, dusty surfaces to ensure adhesion of acrylic finish.
3. Remove surface contaminants by wire brush, pressure washing or sandblasting.

4. Remove efflorescence using a diluted acid wash and rinse thoroughly.
5. Apply sealant as recommended by acrylic finish coat manufacturer where appropriate at terminations and junctions of dissimilar materials.
6. Apply a leveler as necessary to achieve a flat surface prior to application of finish coat. The leveler shall be manufactured by acrylic finish coat manufacturer, compatible for use with both the cement plaster brown coat, the primer, and acrylic finish coat.

C. Primer Application:

1. Apply primer over cement plaster base coat.
2. Allow primer to dry for 24 hours before application of acrylic finish coat.
3. Primer shall be manufactured by acrylic finish coat manufacturer.

D. Finish Coat Application:

1. Mix acrylic finish coat in accordance with manufacturer's instructions.
2. Apply finish coat to required thickness uniformly, maintaining a wet edge at all times.
3. Immediately following the application, use trowels or floats to achieve desired finish texture to match approved samples.]

3.8 TOLERANCES

- A. Maximum variation from true flatness: 1/8 inch in 10 feet, properly meeting adjacent surfaces and materials.

3.9 CLEANING

- A. Promptly remove and clean plaster from all surface not scheduled to receive finish.
- B. Clean substrates as recommended by substrate manufacturer. Do not use materials or methods which may damage substrate/finish or surrounding construction.
- C. Clean up and remove from the site all excess and waste materials.