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## SECTION 072419 - WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

### **TIPS:**

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

To read **detailed research, technical information about products and materials, and coordination checklists**, click on MasterWorks/Supporting Information.

## 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. EIFS-clad drainage-wall assemblies that are field applied over substrate.
2. Water-resistive coatings.

#### B. Related Requirements:

1. Section 072413 "Polymer-Based Exterior Insulation and Finish System (EIFS)" for EIFS-clad barrier-wall assemblies.

2. Section 079200 "Joint Sealants" for sealing joints in EIFS with elastomeric joint sealants and for perimeter joints between system and other materials.

### 1.3 DEFINITIONS

- A. Definitions in ASTM E 2110 apply to Work of this Section.
- B. EIFS: Exterior insulation and finish system(s).
- C. IBC: International Building Code.

### 1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at **[Project site]** **<Insert location>**.

### 1.5 ACTION SUBMITTALS

- A. Product Data: For each EIFS component, trim, and accessory, including water-resistive coatings.
- B. Sustainable Design Submittals:
  1. Product Data: For adhesives, indicating VOC content.
  2. Laboratory Test Reports: For adhesives, indicating compliance with requirements for low-emitting materials.
  3. Product Data: For coatings, indicating VOC content.
  4. Laboratory Test Reports: For coatings, indicating compliance with requirements for low-emitting materials.
- C. Samples: For each exposed product and for each color and texture specified, **[6 inches (150 mm) square]** **<Insert dimension and shape>** in size.
- D. Samples for Initial Selection: For each type of finish-coat color and texture indicated.
  1. Include similar Samples of exposed accessories involving color selection.
- E. Samples for Verification: 6-inch- (150-mm-) square panels for each type of finish-coat color and texture indicated, prepared using same tools and techniques intended for actual work including **[custom trim, each profile,]** **[and]** **[an aesthetic reveal]**.
  1. Include **[exposed trim and accessory]** **<Insert item>** Samples to verify color selected.

### 1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

- B. Product Certificates or Bulletins: For[ **cementitious materials and aggregates and for**] insulation and joint sealant, from manufacturer.
- C. Field quality-control reports[ **and special inspection reports**].
- D. Evaluation Reports: For EIFS, including insulation and water-resistive coatings, from ICC-ES or Intertek.
- E. Sample Warranty: For manufacturer's warranty.

#### 1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For EIFS to include in maintenance manuals.

#### 1.8 QUALITY ASSURANCE

- A. Installer Qualifications: [**An installer who is approved in writing by EIFS manufacturer as qualified to install manufacturer's system using trained workers**] <Insert requirements>.
- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, to set quality standards for materials and execution, and to set quality standards for fabrication and installation.
  - 1. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original, unopened packages with manufacturers' labels intact and clearly identifying products.
- B. Store materials in cool, dry place protected from freezing. Store at no less than 40 deg F (4.4 deg C).
  - 1. Stack insulation board flat and off the ground.
  - 2. Store one-component elastomeric materials at room temperature for 24 hours prior to use.
  - 3. Protect foam-plastic insulation against ignition and direct sunlight at all times.
  - 4. Complete installation and concealment of plastic materials as rapidly as possible in each area of construction.

#### 1.10 FIELD CONDITIONS

- A. Weather Limitations: Do not apply EIFS components during rainfall. Proceed with installation only when existing and forecasted weather conditions and ambient outdoor air, humidity, and substrate temperatures permit EIFS to be applied, dried, and cured according to manufacturers' written instructions and warranty requirements.

- B. Apply EIFS components only in ambient temperatures at or above 40 deg F (4.4 deg C), or higher for specialty finish products as per manufacturer's written instructions. Provide vented, supplementary heat during installation and drying period, when temperatures are less than 40 deg F (4.4 deg C), and less than 50 deg F (10 deg C) for other wall system products.
- C. Do not apply channeled adhesive materials to frozen or wet surfaces.
- D. Maintain ambient temperature at or above 40 deg F (4.4 deg C) during, and at least 24 hours after, EIFS component installation, and until dry. Maintain ambient temperature at or above 50 deg F (10 deg C) for other wall system products, and until dry.

## 1.11 WARRANTY

- A. **Manufacturer's Warranty:** Manufacturer agrees to repair or replace (at BASF's election) components of EIFS-clad drainage-wall assemblies installed in accordance with manufacturer's written instructions, that are defective and fail in materials within specified warranty period, and bear the material and labor costs associated with the repair or replacement thereof. If applicable, manufacturer will repair and/or replace sheathing or framing member damaged by moisture, caused by failure of the products to drain incidental moisture from the cavity between the insulation board and the properly installed water-resistant barrier, within the specified warranty period.
  - 1. Warranty Period: [10] <Insert number> years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. **Basis-of-Design Product:** Subject to compliance with requirements, provide BASF Corporation; Finestone; Pebbletex CI-DCA System or a comparable product by one of the following:
  - 1. Acrocrete; BASF Corp.; Acrowall-ES Plus.
  - 2. Dryvit Systems, Inc.
  - 3. Senerflex; BASF Corp. Channeled Adhesive CI Design.
  - 4. Sto Corp.
  - 5. <Insert manufacturer's name>.
- B. **Source Limitations:** Obtain EIFS from single source from single EIFS manufacturer and from sources approved by EIFS manufacturer as compatible with EIFS components.

### 2.2 PERFORMANCE REQUIREMENTS

- A. **EIFS Performance:** Comply with ASTM E 2568 and ICC-ES AC235, and with the following:
  - 1. **Weathertightness:** Resistant to uncontrolled water penetration from exterior, with a means to drain water entering EIFS to the exterior.

2. System Fire Performance: [**Fire-resistance rating of wall assembly; ASTM E 119**] [**Full-scale multistory fire test; NFPA 285**].
3. Structural Performance: EIFS assembly and components shall comply with ICC-ES AC235 when tested according to ASTM E 2568.
  - a. Wind Loads: Uniform pressure of <Insert lbf/sq. ft. (Pa)>, acting inward or outward.
  - b. Wind Loads: Uniform pressure as indicated on Drawings.
4. Impact Performance: ASTM E 2568, [**Standard**] [**Medium**] [**High**] [**Ultra High**] impact resistance[ **unless otherwise indicated**].
5. Abrasion Resistance of Finish Coat: Sample consisting of 1-inch- (25.4-mm-) thick EIFS mounted on 1/2-inch- (12.7-mm-) thick gypsum board; cured for a minimum of 28 days and shows no cracking, checking, or loss of film integrity after exposure to 528 quarts (500 L) of sand when tested according to ASTM D 968, Method A.
6. Mildew Resistance of Finish Coat: No fungus growth after 28 days and evaluated in accordance with Mil. Std. 810B Method 508.

### 2.3 EIFS MATERIALS

- A. Air- and Water-Resistive Barrier: [**Vapor permeable**] [**Vapor impermeable**].
  1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; Finestone [**FINESTOP RA**] [**FINESTOP RS**] [**FINESTOP VB**].
  2. Rough Opening and Joint Treatment: [**Saturated sheathing fabric made from spun-bonded non-woven reinforced-polyester web**] [**One-component elastomeric material**].
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; [**BASF SHEATHING FABRIC**] [**BASF MAXFLASH**].
  3. Flashing Membrane and Primer: 30-mil- (0.762-mm-) thick, self-sealing and composite membrane of polyester fabric and rubberized asphalt. Compatible with liquid air- and water-resistive barriers. Water-based primer for use prior to application of flashing membrane on acceptable surfaces.
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; WS FLASH and BASF FLASHING PRIMER.
- B. Insulation Adhesive and Base Coat: EIFS manufacturer's standard formulation designed for indicated use; 100 percent acrylic base coat, field-mixed with Type I or Type II Portland cement or dry-mix polymer adhesive and base coat containing Portland cement, and requiring only water for mixing; compatible with substrate; and complying with[ **one of**] the following:
  1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; Finestone A/BC or A/BC 1-STEP base coat; Contractor option.
  2. Adhesives shall have a VOC content of [**50**] <Insert value> g/L or less.
  3. Adhesive shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of

Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

- C. Molded, Rigid Cellular Polystyrene Board Insulation: Comply with ASTM C 578, Type I; and EIFS manufacturer's requirements for most stringent requirements for material performance and qualities of insulation, including dimensions and permissible variations, and the following:
1. Density 0.95 lb./cu. ft. (15.22 kg/cu. m) minimum; K = 0.24 per inch (6.09 per mm).
  2. Aging: Before cutting and shipping, age insulation in block form by air drying for not less than six weeks or for five days minimum at 140 deg F (60 deg C) or higher.
  3. Flame-Spread and Smoke-Developed Indexes: 25 and 450 or less, respectively, according to ASTM E 84 and UL 723.
  4. Dimensions: 24 by 48 inches (610 by 1219 mm) in thickness indicated, but not more than 12 inches (305 mm) or less than 3/4 inch (19 mm) thick.
    - a. Tolerances:
      - 1) Edges: Square within 1/32 inch per foot (0.8 mm per m).
      - 2) Length and Width: Plus or minus 1/16 inch (1.6 mm).
      - 3) Thickness: Plus or minus 1/16 inch (1.6 mm).
  5. Foam Build-Outs: Provide with profiles and dimensions indicated on Drawings.
- D. Reinforcing Mesh: Balanced, alkali-resistant, open-weave, glass-fiber mesh treated for compatibility with other EIFS materials, made from continuous multiend strands with retained mesh tensile strength of not less than 120 lbf/in. (21 dN/cm) according to ASTM E 2098 and the following:
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; [**Finestone STANDARD MESH**] [**BASF INTERMEDIATE 6**] [**and**] [**BASF INTERMEDIATE 12**] [**BASF STRONG 15**] [**BASF HI-IMPACT 20**] or a comparable product.
  2. Reinforcing Mesh for EIFS, General: Not less than weight required to meet impact-performance level specified in "Performance Requirements" Article.
  3. Reinforcing Mesh: Not less than [**4.0 oz./sq. yd. (136 g/sq. m)**] [**5.6 oz./sq. yd. (190 g/sq. m)**] [**11.0 oz./sq. yd. (373 g/sq. m)**] [**15.0 oz./sq. yd. (509 g/sq. m)**] [**20.0 oz./sq. yd. (678 g/sq. m)**].
  4. Corner Reinforcing Mesh: Not less than [**6.0 oz./sq. yd. (203 g/sq. m)**] [**12.0 oz./sq. yd. (407 g/sq. m)**] and pre-marked for easy bending. Use EIFS manufacturer's standard factory-mixed elastomeric-polymer primer for preparing base-coat surface of finish coat for reinforcing at exterior.
- E. Tinted Primer: EIFS manufacturer's standard factory-mixed tinted primer for preparing base-coat surface for application of finish coat.
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; BASF TINTED PRIMER.

- F. Finish-Coat Materials: EIFS manufacturer's [**standard acrylic-based finish**] [**standard acrylic-based finish with enhanced mildew resistance**] [**siliconized acrylic-based finish**] [**hydrophobic finish**] <Insert finish> complying with the following:
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; [**PEBBLETEX NATURAL SWIRL**] [**PEBBLETEX LIMESTONE**] [**PEBBLETEX FINETEX**] [**PEBBLETEX MOJAVE**] [**PEBBLETEX TERSUS F1.0**] [**PEBBLETEX TERSUS M1.5**] [**ENCAUSTO VERONA**] [**METALLIC**] [**AURORA TC-100**] [**AURORA STONE**] [**ALUMINA**] [**CHROMA F1.0**] [**CHROMA M1.5**] [and] [**CHROMA R1.5**].
  2. Glaze/Stain: 100 percent acrylic antiquing stain product used to impart an "old world" mottled look to textured finishes.
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; BASF ANTICOGLAZE.
  3. Coating: 100-percent acrylic-based coating, designed for spray-, roller- or brush-application over EIFS with minimum change in finish texture or sheen.
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; BASF COLOR COAT or BASF METALLIC TOP COAT.
  4. Colors: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**].
- G. Portland Cement: Conform to ASTM C 150, Type I, Type II, or Type I/II; grey or white; fresh and free of lumps.
- H. Water: Clean and potable without foreign matter.
- I. Trim Accessories: Type as designated or required to suit conditions indicated and to comply with EIFS manufacturer's written instructions; manufactured from UV-stabilized PVC; and complying with ASTM D 1784, manufacturer's standard cell class for use intended.
1. Flashing: UV-resistant, rigid polyvinyl chloride (PVC) exterior flashing, complying with ASTM D 1784 and ASTM D 4216.
  2. Windowsill Flashing: Prefabricated type for both flashing and sloping sill over framing beneath windows; with end and back dams; designed to direct water to exterior.

## 2.4 MIXING

- A. Comply with EIFS manufacturer's requirements for combining and mixing materials. Do not introduce admixtures, water, or other materials except as recommended by EIFS manufacturer. Mix materials in clean containers.
1. Use materials within time period specified by EIFS manufacturer or discard.
  2. No additives are permitted unless specified in product mixing instructions.
  3. Close containers when not in use. Prepare in a container that is clean and free of foreign substances.

4. Do not use a container that has contained or been cleaned with a petroleum-based product.
5. Clean tools and equipment with water immediately after use.
6. Dried material can only be removed mechanically.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
1. Substrates: Substrate shall be dry, clean, sound, and free of releasing agents, paint, or other residues or coatings. Verify substrate is flat and free of fins or planar irregularities greater than 1/4 inch in 10 feet (6.4 mm in 3 m). Manufacturer's acceptable substrates are as follows:
    - a. Cement-boards conforming with ASTM C 1325 (Type A - exterior).
      - 1) Basis-of-Design Product: Subject to compliance with requirements, provide National Gypsum Company; PermaBase<sup>®</sup> Cement Board or a comparable product.
    - b. Poured concrete/unit masonry.
    - c. Sheathing types conforming with ASTM C 1177.
      - 1) Basis-of-Design Product: Subject to compliance with requirements, provide **[Continental Building Products; Weather Defense<sup>™</sup> Platinum]** **[Temple Inland; GreenGlass<sup>®</sup>] [National Gypsum Company; eXP<sup>™</sup>] [CertainTeed<sup>®</sup>; GlasRoc<sup>®</sup>] [USG Corporation; Securock<sup>™</sup>] [Georgia-Pacific Building Products; DensGlass<sup>®</sup>] [Georgia-Pacific Building Products; DensElement<sup>™</sup>]** or a comparable product.
    - d. Gypsum sheathing conforming with ASTM C 79 and ASTM C 1396.
    - e. Zip-Board Sheathing.
      - 1) Basis-of-Design Product: Subject to compliance with requirements, provide Huber Engineered Woods ZIP System or a comparable product.
    - f. Exterior Plywood: Exposure I; Grade C/D or better.
    - g. OSB: Exposure I.
  2. Wall sheathing must be securely fastened per applicable building code and sheathing manufacturer's published instructions.
- B. Examine roof edges, wall framing, flashings, openings, substrates, and junctures at other construction for suitable conditions where EIFS will be installed.



1. Flashings:
    - a. Install in accordance with manufacturer's published instructions. Provide end-dams where appropriate.
    - b. Flash openings prior to installing windows, doors, and HVAC.
    - c. Ganged individual windows that form multiple units require continuous head flashing, and fully sealed joints between units.
  2. Roof: Verify roof flashings have been installed in accordance with Asphalt Roofing Manufacturers Association (ARMA) Guidelines.
  3. Kick-out Flashing: Install flashing leak-proof, and angled a minimum 100 degrees to allow for proper drainage and water diversion.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.
1. Begin air- and water-resistive barrier application only after surfaces are dry.
  2. Application of air- and water-resistive barrier indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Protect contiguous work from moisture deterioration and soiling caused by application of EIFS. Provide temporary covering and other protection needed to prevent spattering of exterior finish coats on other work.
- B. Protect EIFS, substrates, and wall construction behind them from inclement weather during installation. Prevent penetration of moisture behind drainage plane of EIFS and deterioration of substrates.
- C. Prepare and clean substrates to comply with EIFS manufacturer's written instructions to obtain optimum bond between substrate and adhesive for insulation.
  1. Concrete Substrates: Provide clean, dry substrate for air- and water-resistive barrier installation.

### 3.3 EIFS INSTALLATION, GENERAL

- A. Comply with ASTM C 1397, ASTM E 2511, and EIFS manufacturer's written instructions for installation of EIFS as applicable to each type of substrate indicated.

### 3.4 SUBSTRATE PROTECTION APPLICATION

- A. Air- and Water-Resistive Barrier: Apply over [**sheathing**] <Insert substrate> to provide an air- and water-resistive barrier.
  1. Treat joints, exposed edges, terminations, and inside and outside corners of sheathing unless otherwise indicated by EIFS manufacturer's written instructions.

- B. Flexible-Membrane Flashing: Install over air- and water-resistive barrier, applied and lapped to shed water; seal at openings, penetrations, terminations, and where required by EIFS manufacturer. Prime substrates and install flashing to comply with EIFS manufacturer's written instructions and details.

### 3.5 INSULATION INSTALLATION

- A. Board Insulation: Adhesively attach insulation to substrate in compliance with EIFS manufacturer's written instructions and the following:
1. Vertical Surfaces: Begin at base of wall with firm, temporary supports.
  2. Stagger joints horizontally in a running bond pattern, offset a minimum 6 inches (152 mm).
  3. Precut insulation board to fit openings and projections. Provide only single-piece insulation board around corners of openings. Stagger vertical joints and corners. Stagger insulation and sheathing board joints. Offset insulation board joints from sheathing joints by a minimum of 16 inches (406 mm).
  4. Apply adhesive base coat to insulation by notched-trowel method using a stainless steel trowel with 1/2 by 1/2 inch (13 by 13 mm) notches, spaced 2 inches (50 mm) apart. Apply ribbons of adhesive parallel to EPS insulation board's 2-foot (610-mm) dimension to ensure they are vertical when EPS insulation board is applied to substrate.
  5. Apply adhesive to ridges on back of channeled insulation by notched-trowel method in a manner that results in full adhesive contact over the entire surface of ridges, leaving channels free of adhesive once insulation is adhered to substrate.
  6. Immediately set board insulation into place. Apply pressure over the entire surface of insulation to accomplish uniform contact, high initial grab, and overall level surface. Do not slide board into place. Do not allow base coat to dry prior to installing.
  7. Abut joints tightly and ensure an overall flush-level surface.
  8. Fill 1/16-inch (1.6-mm) wide and larger gaps between insulation boards with slivers of insulation board.
  9. Check adhesion periodically by removing a board prior to set.
  10. Allow insulation adhesive to dry (normally 8 to 10 hours) prior to application of base coat/reinforcing mesh.
  11. Rasp or sand flush entire surface of insulation to remove irregularities projecting more than 1/16 inch (1.6 mm) from surface of insulation and to remove yellowed areas due to sun exposure; do not create depressions deeper than 1/16 inch (1.6 mm). Prevent airborne dispersal and immediately collect insulation raspings, or sandings.
  12. Install aesthetic grooves as indicated on Drawings. Do not align aesthetic grooves with insulation board joints.
  13. Interrupt insulation for expansion joints where indicated.
- B. Expansion Joints: Install at locations indicated, where required by EIFS manufacturer, and as follows:
1. At expansion joints in substrates behind EIFS.
  2. Where EIFS adjoin dissimilar substrates, materials, and construction, including other EIFS.
  3. At floor lines in multilevel wood-framed construction.
  4. Where wall height or building shape changes.

5. Where EIFS manufacturer requires joints in long continuous elevations.

### 3.6 BASE-COAT INSTALLATION

- A. Base Coat: Apply base coat to achieve reinforcing mesh embedment without the color of the reinforcing mesh visible.
- B. Reinforcing Mesh: Embed **[standard-]** **[medium-]** **[high-]** **[ultra-high-]** impact-resistant reinforcing mesh in wet base coat to produce wrinkle-free installation with mesh continuous at corners; overlap standard or medium mesh only not less than 2-1/2 inches (64 mm) or otherwise treated at joints to comply with ASTM C 1397 and EIFS manufacturer's written instructions. Ensure reinforcing mesh is continuous at corners. Completely embed mesh, applying additional base-coat material if necessary, so reinforcing-mesh color and pattern are invisible.
  1. Embed strip and corner reinforcing mesh in base coat before applying first layer of reinforcing mesh.
- C. Foam Build-Outs: Fully embed reinforcing mesh in base coat.
- D. Double Base-Coat Application: Where indicated, apply second base coat in same manner and thickness as first application, except without reinforcing mesh. Do not apply until first base coat has cured.
- E. Color Coat: Apply material to base coat/reinforcing mesh in sealant joints with high-quality, latex-type paintbrush. Work material continuously until uniform appearance is obtained. Allow to dry thoroughly (approximately 24 hours) prior to application of sealant primer and sealant.

### 3.7 FINISH-COAT INSTALLATION

- A. Tinted Primer: Apply over cured base coat with a sprayer or 3/8-inch (10-mm) nap roller at a rate of approximately 150 to 250 sq. ft. per gallon (3.6 to 6.1 sq. m per liter). Primer shall be dry to the touch prior to applying the finish coat.
- B. Finish Coat No. 1: Apply over dry **[primed]** base coat, maintaining a constantly wet edge for uniform appearance, in thickness required by EIFS manufacturer to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; **[PEBBLETEX]** **[PEBBLETEX TERSUS]** **[CHROMA]**.
  2. Apply finish directly to the base coat with a clean, stainless steel trowel.
  3. Apply finish and level during the same operation to minimum obtainable thickness consistent with uniform coverage.
  4. Maintain a wet edge on finish by applying and texturing continually over the wall surface.
  5. Work finish to corners, joints, or other natural breaks and do not allow material to set up within an uninterrupted wall area.
  6. Float finish to achieve final texture.

- C. Finish Coat No. 2: Apply over dry [**primed**] base coat, maintaining a constantly wet edge for uniform appearance, in thickness required by EIFS manufacturer to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; AURORA TC-100.
  2. Apply tinted primer to substrate in accordance with current tinted primer product bulletin.
  3. Use tinted primer of corresponding color for selected finish color. Allow tinted primer to dry to the touch before proceeding to finish application.
  4. Apply a tight coat of finish with a clean, stainless steel trowel.
  5. Maintain a wet edge on finish by applying and leveling continually over the wall surface.
  6. Work finish to corners, joints, or other natural breaks, and do not allow material to set up within an uninterrupted wall area. Allow first coat to set until surface is completely dry, prior to applying a second coat of finish.
  7. For a smooth appearance, use a stainless steel trowel, and apply second coat of finish. Achieve final texture using circular motions.
  8. For a textured appearance, apply second coat of finish using a spray gun, and hopper. Double back to achieve final texture.
  9. Total thickness of finish shall be approximately 1/16 inch (1.6 mm).
- D. Finish Coat No. 3: Apply over dry [**primed**] base coat, maintaining a constantly wet edge for uniform appearance, in thickness required by EIFS manufacturer to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; AURORA STONE.
  2. Apply tinted primer to substrate in accordance with current tinted primer product bulletin.
  3. Use tinted primer of corresponding color for selected finish color. Allow tinted primer to dry to the touch before proceeding to finish application.
  4. Apply finish coat using spray gun and hopper, and maintaining a wet edge. Work to corners, joints or other natural breaks, and do not allow material to set up within an uninterrupted wall area.
  5. Allow first finish coat to set until surface is completely dry prior to applying second finish coat.
  6. Apply second finish coat using spray gun and hopper; double back to achieve final texture.
  7. Total thickness of finish varies between 1/16 and 1/8 inch (1.6 and 3.2 mm), depending upon texture.
- E. Finish Coat No. 4: Apply over dry [**primed**] base coat, maintaining a constantly wet edge for uniform appearance, in thickness required by EIFS manufacturer to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.
1. Basis-of-Design Product: Subject to compliance with requirements, provide BASF Corporation; ALUMINA.
  2. Apply tinted primer to substrate in accordance with current tinted primer product bulletin.

3. Use tinted primer of corresponding color for selected finish color. Allow tinted primer to dry to the touch before proceeding to finish application.
4. Apply a tight coat of finish with a clean, stainless steel trowel.
5. Maintain a wet edge on finish by applying and leveling continually over the wall surface.
6. Work finish to corners, joints, or other natural breaks, and do not allow material to set up within an uninterrupted wall area. Allow first coat to set until surface is completely dry prior to applying a second coat of finish.
7. Use stainless steel trowels, and apply second coat of finish. Achieve final texture using circular motions.
8. Total thickness of finish varies between 1/16 and 1/8 inch (1.6 and 3.2 mm).

F. Glaze/Stain: Apply in accordance with manufacturers' written instructions.

### 3.8 FIELD QUALITY CONTROL

- A. Special Inspections: [**Owner will engage**] [**Engage**] a qualified special inspector to perform the following special inspections:
1. As stipulated in Ch. 17 of the IBC.
  2. According to ICC-ES AC235.
  3. **<Insert special inspections>**.
- B. Testing Agency: [**Owner will engage**] [**Engage**] a qualified testing agency to perform tests and inspections.
- C. EIFS Tests and Inspections: According to [**ASTM E 2359**] [**ICC-ES AC24**] [**ICC-ES AC235**] **<Insert tests and inspections>**.
- D. EIFS installation will be considered defective if it does not pass tests and inspections.
- E. Special inspector or test agency to prepare test and inspection reports.

### 3.9 CLEANING AND PROTECTION

- A. Remove temporary covering and protection of other work. Promptly remove coating materials from window and door frames and other surfaces outside areas indicated to receive EIFS coatings.

END OF SECTION 072419