CSI - SECTION 09 25 23

CLIME – COARSE

PART 1 GENERAL

1.1. SECTION INCLUDES

1. Interior decorative plaster finish system for installation over walls, columns, and ceilings.

1.2. RELATED SECTIONS

1. Section 09210 - Gypsum Plaster: Gypsum plaster work not part of this Section.
2. Section 09220 - Portland Cement Plaster: Portland cement plaster work not part of this Section.
3. Section 09260 - Gypsum Board Assemblies: Preparation of substrate.

1.3. REFERENCES

1. ASTM D6886 – Standard Test Method for Determination of the Weight Percent Individual Volatile Organic Compounds in Waterborne Air-Dry Coatings by Gas Chromatography.
2. CA 01350 – CDPH Test: Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers.
3. EN 13501-1 – Fire classification of construction products and building elements.
4. EN 15804+A2 – Sustainability of construction works - Environmental product declarations – Core rules for the product category of construction products.

1.4. SYSTEM PERFORMANCE REQUIREMENTS

1. ASTM D6886

1. K40 Primer: < 5.0 grams/lt  
2. Clime Plaster P100: 0 grams/lt (powder-based product)  
3. Soap Sealer 75: 43.12 grams/lt

1. CA 01350

1. Clime System: K40 Primer / Clime Plaster P100: Pass (CDPH/EHLB/Standard Method V1.2)

1. EN 13501-1

1. Clime System: K40 Primer / Clime Plaster P100: Reaction to fire classification: A1 / A1fl / A1L

1.5. SUBMITTALS

See Section 01300 - Administrative Requirements, for submittal procedures.

1. Product Data: Provide manufacturer’s technical data on products specified, including installation instructions.
2. LEED Submittals:Provide all details pertaining to system and LEED data per Armourcoat document:  
     
   AI-40-113ST21.01.01: LEED STATEMENT - CLIME
3. Life Cycle Analysis & EPD: Provide manufacturer’s EPD for Clime in accordance to EN 15804+A2.
4. Shop Drawings: Indicate designs, colors, and locations.
5. Samples: Submit [\_\_\_\_\_] samples, 6 x 6 inches in size, illustrating finish color and texture.
6. Qualification Data: Certificate issued by distributor indicating that installer has attended training class and is authorized to install specified product.
7. Warranty: Sample copy of manufacturer's warranty stating obligations, remedies, limitations, and exclusions of warranty.

1.6. QUALITY ASSURANCE

1. Installer Qualifications: Company specializing in performing work of this Section with a minimum of one-year documented experience. Include list of at least three completed projects of similar scope with project names and addresses and names and addresses of architects and owners. Installers must have attended Armourcoat training class.
2. Single Source Responsibility: Provide only proprietary, factory-formulated materials as produced by Armourcoat, Ltd. specifically for applications indicated. Substitutes within the system are not permitted.

1.7. MOCK-UP

1. Prior to installing Clime plaster, construct mock-up of finished surface, [\_\_\_\_\_\_] feet long by [\_\_\_\_\_\_] feet wide, illustrating surface [design,] finish and color.
2. Locate where [directed by Architect / indicated on drawings].
3. Mock-up [may / may not] remain as part of the Work.

1.8. DELIVERY, STORAGE AND HANDLING

1. Deliver materials to the construction site in their original packaging with manufacturer’s labels identifying manufacturer and product; color designation; lot number; and date of manufacture.
2. Inspect materials upon delivery and immediately report to Architect damaged or defective materials.
3. Store materials in a well-ventilated area with minimum ambient temperature of 50º F (10º C). Prevent deterioration due to moisture, temperature changes, contamination, or other causes.

1.9. PROJECT CONDITIONS

1. Environmental Requirements: Do not apply Clime plaster when substrate or ambient air temperatures is under 50º F (10º C) or over 95º F (35ºC).
2. Maintain these conditions 24 hours before, during and after installation of Clime plaster.

1.10. WARRANTY

1. See Section 01780 - Closeout Submittals, for additional warranty requirements.
2. Provide manufacturer’s standard written warranty.

1. Period of Warranty: 10 years.

1.11. MANUFACTURERS

**Acceptable Manufacturers:**

1. Armourcoat Surface Finishes, 4330 Production Court, Las Vegas, Nevada 89115, USA   
 Tel: 702 644 0606. Fax: 702 644 0554. E-mail: sales@usa.armourcoat.com.

2. Armourcoat Ltd.; Morewood Close, London Road, Sevenoaks Kent. TH13 2HU.   
 Tel:+44 (0) 1732 460668. Fax: +44 (0) 1732 450930. E-mail: [sales@armourcoat.co.uk](mailto:sales@armourcoat.co.uk). Web: www.armourcoat.com.

Substitutions: Not permitted.

1.12. PRODUCTS

1. Products: Armourcoat Clime Plaster, Armourcoat Ltd.
2. Design: [Custom design as shown on architectural drawings and as approved on shop drawings]
3. Finish: [Custom finish to match Architect’s approved sample]
4. Color: [\_\_\_\_\_\_\_\_\_\_\_\_\_) / Multiple colors as indicated on Schedule at end of this Section].

1.13. MATERIALS

1. Clime Plaster System: Provide manufacturer’s complete system of proprietary materials specifically formulated for compatibility with one another including:

1. Armourcoat K40 Primer  
 Armourcoat Clime P100 Plaster  
 Armourcoat R13 Resin (optional – required for Clime Duro)  
 Armourcoat White Chips – Large Grain  
 Armourcoat Soap Sealer 75

1. Water: Clean, fresh, potable, and free of mineral or organic matter which can affect plaster.

PART 2 EXECUTION

2.1. EXAMINATION

1. Verify the suitability of existing conditions before starting work. Do not begin Work of this Section until unsatisfactory conditions have been corrected.
2. Acceptable Substrate Tolerances: Verify that substrates are true and level. Substrates shall be constructed to the following tolerances:

1. ± 0.05 inches in 2 feet and ± 0.15 inches in 6 feet.

2.2. PREPARATION

1. Comply with manufacturer's written instructions for substrate preparation.
2. Remove hardware, electrical switch and outlet plates, lighting fixtures and other items already in place that are not to receive plaster finish.

1. After completion of work, reinstall items using workers skilled in the trades involved.

1. Protect adjacent surfaces and items that are not to receive plaster finish, but which cannot be removed, from finish work. Use masking materials that will not damage protected items and surfaces.
2. Clean substrates of substances that could impair bond including mold, mildew, oil, grease, salts, contamination, and dirt using methods recommended by manufacturer.
3. Substrate: For gypsum board substrates, apply coats of joint compound over joints and fasteners to achieve a minimum of a Level 4 finish. Use ready-mixed or job-mixed, drying-type, all-purpose or topping compound, or proprietary product specifically formulated for joint coating. Touch up and sand as needed to produce a surface free of visual defects, tool marks, or ridges, and conforming to a smooth flat surface. Apply Clime Plaster to Regular Gypsum Board that is fire resistant and complies with ASTM C 1396.
4. Prepare all materials in accordance with manufacturer’s recommendations.

2.3. INSTALLATION

1. Prime Coat: Apply K40 primer coat. Allow to dry.
2. Finish: Apply finish coats as recommended by manufacturer to achieve desired results. Number of coats and total dry mil thickness shall be as recommended by manufacturer for specified system. Allow to dry.
3. Protect: Apply Soap Sealer 75 in accordance with manufacturer’s instructions.
4. Provide finish free of unsightly variations in texture and other defects.

2.4. CLEANING AND PROTECTION

1. Remove temporary coverings used to protect adjacent surfaces and reinstall hardware, plates, lighting fixtures and other items previously removed.
2. Clean and repair adjacent surfaces and items soiled or damaged during Work of this Section.
3. Maintain and protect completed Clime plaster surfaces until time of acceptance at Substantial Completion.

2.5. SCHEDULE

1. Plaster Style A:

1. Location: [\_\_\_\_\_\_/ As indicated on drawings].  
2. Design: [\_\_\_\_\_\_].  
3. Finish: [\_\_\_\_\_\_].  
4. Color: [\_\_\_\_\_\_].

1. Plaster Style B:

1. Location: [\_\_\_\_\_\_/ As indicated on drawings].  
2. Design: [\_\_\_\_\_].  
3. Finish: [\_\_\_\_\_].  
4. Color: [\_\_\_\_\_].