SECTION 07240

FRESCO® CONCRETE (EXTERIOR)

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Fresco® Concrete system.

B. Related Sections include the following:

1. Division 6 Section "**<Rough Carpentry><Miscellaneous Carpentry>**" for metal and wood framing for Fresco Plaster assemblies.
2. Division 7 Section "Exterior Wall Assemblies" for acceptable substrates, framing and other components of Fresco Plaster assemblies.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples: Three, 12-inch by 12-inch finished samples of Fresco Concrete on rigid backing.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Use only a trained installer employed by the manufacturer, who has completed Fresco Plaster installations similar to those indicated for this Project and whose work has resulted in successful in-service performance for a minimum of 3 years.

B. Fire-Test-Response Characteristics: Provide Fresco Plaster systems with the following surface-burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency.

1. Flame Spread: 25 or less.
2. Smoke Developed: 450 or less.

C. Water Permeability: Provide Fresco Plaster systems that comply with ASTM E 514 by UL or another testing and inspecting agency.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original packages, containers, or bundles bearing brand name and identification of manufacturer or supplier.

B. Store materials inside at room temperature, as close to installation conditions as possible. Protect against damage from weather, direct sunlight, and freezing temperatures.

1.5 PROJECT CONDITIONS

A. Ambient Temperatures: Maintain not less than 45 deg F or more than 95 deg F for 7 days before application of Fresco Plaster, continuously during application, and after application until Fresco Plaster is dry.

B. Lighting: Maintain a minimum 60 foot-candle illumination of work surfaced by either permanent or temporary lighting during duration of Fresco Plaster application.

C. Avoid conditions that result in Fresco Plaster drying too rapidly.

1. Distribute heat evenly; prevent concentrated or uneven heat on Fresco Plaster.
2. Maintain relative humidity levels for prevailing ambient temperature that produces normal drying conditions.
3. Ventilate building spaces in a manner that prevents drafts of air from contacting surfaces during Fresco Plaster application and until it is dry.

1.6 WARRANTY

A. Warranty: Manufacturer agrees to replace Fresco Plaster that does not comply with requirements or that fails within specified warranty period. Warranty does not include deterioration or failure of Fresco Plaster due to unusual traffic, failure of substrate, vandalism, abuse, or seismic movements for a period of ten years from date of Substantial Completion. Warranty is contingent upon payment in full for work completed under contract.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Provide products by StudioÄix by NÄSS Fresco® Finishes, (847) 277-1484.

B. Substitutions are not allowed.

2.2 FRESCO® CONCRETE

A. Products: Subject to compliance with requirements, provide the following:

1. StudioÄix by NÄSS Fresco® Finishes; Sample #TBD
2. Fresco® Concrete technique

A. Fresco Concrete: Provide seamless, without pattern, proprietary, two-coat, mineral aggregate based Fresco Concrete system designed to be a washable, durable, flexible finish to withstand cracking and to comply with the following requirements:

1. Protective Finish: Provide protective finish, where applicable, as directed by manufacturer.

1.2 PLASTER MIXES

A. Base Coat: Mechanically mix proportions of base coat material, mineral aggregate, and colorant as required to achieve integrally colored substrate and to comply with Fresco Plaster manufacturer's written recommendations.

B. Overlay Coat: Mechanically mix proportions of overlay coat material, mineral aggregate, and colorant as required to achieve integrally colored finish surface and to comply with Fresco Plaster manufacturer's written recommendations.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and substrates, with Installer present, for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

1. The tenant’s general contractor shall be responsible to provide a good quality substrate comprising of DensGlass® Sheathing by Georgia-Pacific mechanically fastened to framing members.
    a. The substrate is to include the following accessories:
        1) Corner Beads
            a) Vinyl Corp (800) 648-4695
                i. Product #CB158E
            b) Plastic Components (800) 327-7077
                i. Product #2209XL; #2209 if XL version unavailable
        2) Edge Trim Beads
            a) Vinyl Corp (800) 648-4695
                i. Product #SBL58E
            b) Plastic Components (800) 327-7077
                i. Product #2221-58
        3) Control Joints – required for every 130-140 sq. ft. with no one side being longer than 15 ft.
            a) Vinyl Corp (800) 648-4695
                i. Product #CJV-16E
            b) Plastic Components (800) 327-7077
                i. Product #2027-16

3.2 FRESCO PLASTERING

A. Fresco Plaster Application: Comply with Fresco Plaster manufacturer's written recommendations. Prior to beginning installation, protect adjacent areas. Wet trowel by hand in different directions with varying degrees of pressure to achieve the desired appearance. Trowel smooth as required to match samples approved by Architect.

B. Repair: Repair damaged Fresco Plaster in accordance with manufacturer’s recommendations.

END OF SECTION 07240