

STUC-O-FLEX

PORTLAND CEMENT PLASTER WITH ELASTOMERIC ACRYLIC FINISH MANUFACTURERS SPECIFICATION / SECTION 09220

PART 1-GENERAL

SCOPE:

Manufacturer's specifications containing the requirements necessary for proper installation of the STUC-O-FLEX Elastomeric Acrylic finish coating over a properly prepared cement stucco substrate.

1.01 DESCRIPTION

Provide all labor, materials, and equipment necessary to install the field applied STUC-O-FLEX finish coating.

A. Related work specifications:

1. Unit masonry 04200
2. Sheathing 06100
3. Steel frame (light gauge) 05400
4. Concrete 03300
5. Sealant 07900

1.02 QUALITY ASSURANCE

Optional but Encouraged - "WaterWay Rainscreen Drainage Mats" create space between your building and the elements. They also contribute to air circulation and ventilation when properly designed. Water drainage and increased air flow will enhance drying and in turn reduce the damaging effects of water penetration. A Nylon / Polymer core of fused, entangled filaments in varying thicknesses from a nominal ¼ inch to ¾ inch with a protective filter fabric bonded to one side or consider WaterWay Plus - a "Patent Pending" Drainage Mat consisting of polymer matrix laminated to a breathable filter fabric on one side and a code compliant WRB on the other side. This multiple layer product creates a one step WRB and Rainscreen drainage assembly in a single application.

Information & Specification @

http://www.stucoflex.com/rainscreen_drainage_mats.htm

Installation of stucco system shall be in direct correlation with construction documents, manufacturer's specification and/or the Uniform Building Code.

Sealant details, flashings, and transitions shall to insure no water intrusion behind Stuc-O-Flex finish or cement stucco system.

Maintenance is required to assure continued performance of properly detailed terminations.

CEMENT STUCCO SUBSTRATE

1. Moisture content of the stucco shall not exceed 19% at the time of STUC-O-FLEX application.
2. Stucco basecoat shall be fully cured, clean, dry, and free of all efflorescence and foreign materials.

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3. Stucco should be applied as required by the applicable building codes. In case of a "one-coat" stucco substrate, the manufacturer's specifications shall be followed.
 4. Care should be taken at system terminations so as not to allow moisture behind the Stucco or STUC-O-FLEX finish coat.

GENERAL

1. The minimum slope of any surface shall not be less than 4" in 12".
2. To insure long term performance, the stucco system shall be engineered with regard for intended installation.
3. Expansion joint details required as specified by the design professional in addition to; where dissimilar materials abut, in conjunction with building expansion joints, not exceeding 144 Sq. ft. of wall surface, and where extreme structural movement may occur, particularly at plate lines in wood frame construction.

1.03 SUBMITTALS

A. Contracted applicator shall provide one (1), 2' by 2' foot sample for each texture and color selection. This will be fabricated using the same tools, equipment and techniques as intended for project installation.

B. Prior to start up, obtain architect's and owner's approval on above samples both in color and texture.

C. Approved samples shall be maintained throughout project construction in order to judge completed work for acceptance.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Materials shall be delivered in original unopened packages with labels clearly visible.

B. Products shall be stored out of direct sunlight, protected from the weather, tightly sealed at temperatures above 40°F.

C. Do not allow product to freeze.

1.05 JOB CONDITIONS

A. Ambient temperatures shall be 40°F or greater at time of installation, and will remain so for a minimum 24 hours or protection and heat must be supplemented to insure proper drying.

B. Product installation shall not take place during inclement weather unless adequate protection is provided both during application and until cured. Protect materials from rain until dried.

C. High humidity conditions (fog, mist, etc.) will significantly extend drying time.

1.06 LIMITED WARRANTY

A. Upon proper installation of Stuc-O-Flex Finish a five year product warranty will be issued.

PART 2 - PRODUCTS

2.01 GENERAL

A. In accordance with these specifications all products required (excluding cement stucco) shall be obtained from STUC-O-FLEX INTERNATIONAL or an authorized Distributor, unless otherwise approved in writing.

Stuc-O-Flex International, Inc.
17639 NE 67th Court
Redmond, WA 98052
800-305-1045
info@stucoflex.com www.stucoflex.com

2.02 MATERIALS

A. PRIME SEAL, (Acrylic based stain blocking primer), protects substrate from moisture, provides for uniform porosity and prevents any potential bleed through which could discolor finish coat (optional) .

B. STUC-O-FLEX, finish coat as manufactured by STUC-O-FLEX INTERNATIONAL, factory premixed, acrylic based, color integrated, textured finish for use with this application. Numerous textures can be achieved using a variety of application methods. Spray applied or hawk & trowel - Sand finish, skip trowel, knock down, lace, etc. Provided in 20 standard colors, special colors upon request, See STUC-O-FLEX standard color chart.

C. WATER, shall be clean and potable in clean containers without any residue or foreign materials.

D. Sealant system (CAULKING), Shall be of appropriate quality to prevent potential water intrusion. Consult manufacturers for specific details and specification.

2.03 MIXING AND PREPARATION

A. PRIME SEAL: Mix to a uniform consistency (do not add water). Optional.

B. STUC-O-FLEX finish coat: Using a jiffler paddle type mixer agitate material until a homogeneous consistency is obtained. Care should be taken so as NOT to introduce air into finish coat material.

C. Never add modifiers, admixtures or other products not specified to any STUC-O-FLEX manufactured products.

PART 3 – EXECUTION

3.01 INSPECTION

A. Stucco assembly shall be examined for compliance with construction documents and system specifications prior to installation of Stuc-O-Flex Finish coat. 1/4" inch shall be the maximum allowable planar irregularity within 8 feet in any direction.

B. Architect and General Contractor will be made aware of any such substrate concerns. All problem areas shall be rectified before installation may continue.

C. Details for proper sealant joints shall be required.

3.02 INSTALLATION

A. CEMENT STUCCO shall be installed in accordance with manufacturer's recommendations or applicable building codes providing a smooth, dry substrate on which to accept the STUC-O-FLEX finish coating.

1. Appropriate curing times shall provide for a structurally sound substrate with a moisture content of 19% or less.

B. Pre-based EPS Foam shapes, if used, shall be installed at this time. These are adhesively applied by coating the back of the shape with Base coat. Then, using manufacturer supplied fiberglass mesh and base coat, the shape shall be feathered into the adjacent wall area leaving a minimum 6" of mesh on both the shape and the wall surface. Installation at this time insures trim details will be fully embedded in base coat and fiberglass reinforcing mesh, providing a structurally sound, aesthetically pleasing detail.

1. Allow Base coat to dry minimum 24 hours or until dried below 17% moisture content.

C. PRIME SEAL (Optional): Apply primer with airless sprayer, medium nap roller, or paint brush to all areas which Stuc-O-Flex finish coat is to be applied. A uniform pinhole free layer should be provided to insure no shadowing or discoloration will occur from the Stucco substrate.

1. Allow to dry completely.

D. STUC-O-FLEX ACRYLIC FINISH COAT, Apply in color and texture as approved by Architect and/or Owner using stainless steel trowels or appropriate spray equipment with sufficient manpower and equipment to insure a continuous operation without cold joints, scaffolding lines, etc. Finished wall sections shall match approved job site sample. Coverage and thickness shall vary depending on texture desired and specified final appearance.

1. Mix STUC-O-FLEX prior to use with paddle type blade to insure consistency.
2. Small amounts of water may be added to adjust viscosity. 12oz. maximum per 5-gallon pail.
3. Do not moist-cure STUC-O-FLEX finish coat.
4. Apply finish coat as to completely cover all areas of the cement stucco basecoat.

3.03 JOB SITE CLEAN UP

A. STUC-O-FLEX applicator shall remove all excess wall system materials from completed project areas.

B. Coverings, scaffolds, etc. shall be removed.