

STUC-O-FLEX

PORLAND CEMENT PLASTER WITH EUROPLAST - EUROSEAL MANUFACTURERS SPECIFICATION / SECTION 09220

PART 1-GENERAL

1.00 SCOPE:

Manufacturer's specifications containing the requirements necessary for proper installation of the Europlast finish coat & Euroseal over a properly prepared cement stucco substrate.

1.01 DESCRIPTION

A. Provide all labor, materials, and equipment necessary to install the field applied Europlast finish.

B. 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 & Ventilation 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 potential damage resulting from water penetration. A Polymer core of fused, entangled filaments in varying thicknesses from a nominal $\frac{1}{4}$ inch to $\frac{3}{4}$ inch bonded to a moisture resistant filter fabric on the outer surface.

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

Contact: 1-800-305-1045 or e-mail techservice@stucoflex.com

Installation of stucco shall be in direct correlation with Construction Documents, manufacturer's specification and application instructions, and/or the Uniform Building Code.

Sealant details, flashings, and Europlast transitions shall insure no water intrusion behind EUROPLAST finish or cement stucco substrate.

Some maintenance will be required to assure continued performance of properly detailed terminations within this system.

CEMENT STUCCO SUBSTRATE

1. Moisture content of the stucco shall not exceed 19% at the time of Europlast application.
2. Stucco basecoat shall be fully cured, clean, dry, and free of all efflorescence and foreign materials.
3. Stucco should be applied as required by the applicable building codes. In the case of "one-coat" stucco, 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 Europlast 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.) can extend drying time.

1.06 LIMITED WARRANTY

- A. Upon proper installation of wall system 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) for the Europlast finish System installation shall be obtained from STUC-O-FLEX INTERNATIONAL or 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. EUROPLAST Finish as manufactured by STUC-O-FLEX INTERNATIONAL, is a decorative finish providing color, texture and a weathering surface in a trowel applied coating. Europlast is factory premixed, color integrated, 100% acrylic polymer modified cement, textured finish for use with this application. Numerous textures can be achieved using a variety of application methods. Provided in 20 standard colors, special colors upon request, See STUC-O-FLEX standard color chart.

Contact technical department @ 1-800-305-1045 for specific details.

B. EUROSEAL, has a unique ability to transform Europlast wall finish into a classic example of centuries old plaster. This semi-transparent sealer is formulated to obtain an uneven antiqued or "mottled" appearance on Stuc-O-Flex Europlast finish. Euroseal also provides a highly water-resistant surface that helps reduce dirt pick-up and control efflorescence.

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. Europlast should be mixed 1:1 by weight with fresh, dry White Portland Cement type I or II. Product should be allowed to sit for 10 minutes, then remixed prior to use. Apply immediately. Small amounts of clean water may be added to adjust workability (6oz – 20oz)

B. Euroseal, Using a paddle type mixer agitate making sure all pigments are evenly dispersed prior to use. Do not introduce air into the product.

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

D. Small amounts of water may be added to adjust viscosity (20oz. maximum per 5-gallon pail).

PART 3 – EXECUTION

3.01 INSPECTION

- A. Substrate shall be examined for compliance with construction documents and system specifications prior to installation of the Stucco application. 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 EUROPLAST finish coating.
 1. Appropriate drying time must be adhered to so as to provide 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 attached by coating the back of the shape with Stuc-O-Base or PRM Base coat. Then, using manufacturer supplied fiberglass mesh and Stuc-O-Base or PRM base coat, the shape shall be feathered into the adjacent wall area leaving a minimum 6 inch 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 PRM to dry minimum 24 hours or until dried below 19% moisture content.
- C. EUROPLAST shall be applied in color and texture as approved by Architect and/or Client using stainless steel trowels 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 Europlast as described under section 2.03 prior to use.
 2. Small amounts of water may be added to adjust viscosity (20 oz. maximum per 5-gallon pail).
 3. Do not moist-cure Europlast finish coat.
 4. Do not allow water or rain contact with Europlast for a minimum 24 hours after application (may cause efflorescence).
- D. EUROSEAL Shall be installed using a roller, or appropriate spray equipment. Apply a liberal coat of Euroseal to the clean, dry Europlast finish and allow material to absorb into the surface, then back roll to remove excess product. Allow to dry.
 1. Stir frequently during use.
 2. When using Euroseal other than clear; Do not cut in with brush at EuroPlast terminations before coating entire wall – will result inconsistently darker areas

3.03 JOB SITE CLEAN UP

- A. Europlast applicator shall remove all excess wall system materials from completed project areas.
- B. Coverings, scaffolds, etc. shall be removed.