

STUC-O-FLEX

RENEW ELASTOMERIC COATING

APPLICATION TO STUCCO, EIFS, & CONCRETE

MANUFACTURERS SPECIFICATION / SECTION 09960

PART 1-GENERAL

1.00 SCOPE: Manufacturer's specifications containing the requirements necessary for proper installation of the **STUC-O-FLEX RENEW** Elastomeric coating over a properly prepared substrates.

1.01 DESCRIPTION

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

B. Related work specifications:

1. Unit masonry 04200
2. Precast Concrete 03400
3. Concrete 03300
4. Sealant & Caulk 07920

1.02 QUALITY ASSURANCE

If applicable - Installation of stucco system shall be in direct correlation with construction documents, manufacturers' specifications and application instructions, and/or the Code.

Sealant details, flashings, and terminations shall insure no water intrusion behind Stuc-O-Flex Renew coating or substrate.

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

GENERAL

1. The minimum slope of any surface shall not be less than 4" in 12".
2. To insure long-term performance, the substrate system shall be engineered with regard for intended installation.
3. Do not use below grade or on surfaces subject to hydrostatic pressure
4. Do not use on horizontal surfaces.
5. Substrates shall be completely cured, clean, dry, and free of form oil, curing compounds or bond breaker.

1.03 SUBMITTALS

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

B. Prior to starting, obtain appropriate approvals from architect and / or building owner.

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

D. Stuc-O-Flex Renew Specifications and Specimen Warranty

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 or freezing temperatures 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 RENEW product warranty will be issued.

1.07 PERFORMANCE REQUIREMENTS

A.

<u>TEST</u>	<u>METHOD</u>	<u>RESULT</u>
ELONGATION % (FINISH)		205 Percent
WATER VAPOR	ASTM-E96	14 GRAINS PER HOUR / SQ. FT.

TRANSMISSION		(AVERAGE)
SALT SPRAY RESISTANCE	B-117	300 HOURS NO DELETERIOUS EFFECTS
ACCELERATED WEATHERING	G-23-81	2000 HOURS NO DELETERIOUS EFFECTS
ABSORPTION FREEZE THAW	60 CYCLES	NO CRACKING, CHECKING
TENSILE BOND	ASTM C-297	127.9 PSF
WATER PENETRATION TEST	ASTM-E-331	NO WATER PENETRATION OCCURRED ON SUBSTRATE
WATER RESISTANCE TEST	ASTM D-2247	NO CRACKING, BLISTERING, PEELING OR COMPROMISE
MILDEW / FUNGUS RESISTANCE	810 B	NO MOLD OR MILDEW GROWTH DURING TEST
WIND DRIVEN RAIN		NO DELAMINATION NO WATER INTRUSION
FIRE TESTING TUNNEL TEST	ASTM E-84	FLAME SPREAD < 25 SMOKE DEVELOPED < 450 CLASS "A" FIRE RATED

PART 2 - PRODUCTS

2.01 GENERAL

A. In accordance with these specifications all materials required for the installation of RENEW shall be obtained from STUC-O-FLEX INTERNATIONAL or an authorized distributor unless otherwise approved in writing.

2.02 MATERIALS

- A. PRIME SEAL, Acrylic based stain blocking primer, protects substrate from moisture, assures uniform porosity and prevents bleed through which could discolor finish coat. (Optional / as required)
- B. ELASTOMERIC JOINT COMPOUND, Stuc-O-Flex Elastomeric Joint Compound offers new technology in flexible sealants. This ready to apply product is specifically designed for treatment of cracks, butt joints or seams in existing surfaces prior to application of Stuc-O-Flex Renew. Stuc-O-Flex Elastomeric Joint Compound is the first component used prior to application of Prime Seal or Stuc-O-Flex Renew (as required to repair cracks in the substrate).
- C. STUC-O-FLEX RENEW, as manufactured by STUC-O-FLEX INTERNATIONAL, factory premixed, 100% acrylic based, color integrated, elastomeric finish for use with this application. Provided in 20 standard colors, special colors upon request, See STUC-O-FLEX standard color chart.
- D. WATER shall be clean and potable in clean containers without any residue or foreign materials.
- E. 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).
- B. ELASTOMERIC JOINT COMPOUND: Mix to a uniform consistency
- C. STUC-O-FLEX RENEW 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.
- D. Never add modifiers, admixtures or other products to STUC-O-FLEX manufactured products.

PART 3 – EXECUTION

3.01 INSPECTION

- A. Substrate shall be examined for compliance with construction documents and system specifications prior to application of the Stuc-O-Flex Renew application.
- 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. SUBSTRATE: shall comply with Section 1.02 "General" listed above, prior to product applications.
- B. ELASTOMERIC JOINT COMPOUND: Using a stainless steel trowel or sheetrock knife apply Joint Compound mixture to all cracks larger than 1/32 inch providing a smooth finished appearance.
 - 1. Allow 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 Renew 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 RENEW ELASTOMERIC COATING, Apply in color as approved by Architect and/or Client using or appropriate spray equipment or rollers 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 substrate, method of application.

1. Mix STUC-O-FLEX RENEW prior to use with paddle type blade to insure consistency.

3.03 JOB SITE CLEAN UP

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

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