

RENEW

Elastomeric Coating (Paint Grade)



Description

Renew is an elastomeric topcoat similar in appearance to a typical paint product, but with substantial elastomeric properties. Renew is a water-based pure acrylic formulation identical to Stuc-O-Flex finish excluding the aggregate. It provides maximum crack bridging ability in a paint type coating material.

Color

20 standard colors, see color chart for specifics. Special colors available upon request, virtually no limit to selection; see color chart for special color formulation policy.

Container

48 pounds net weight / 5-gallon pail
9 pound / 1 gallon pail

Use

Renew is used to coat over existing surfaces for both new construction and renovation when a change of color or additional crack resistance is required. Renew also provides enhanced protection from the environment for any cladding.

Advantages

Bridges Hairline Cracks
Mildew Resistant
Dirt Pickup Resistant
Will not Chalk
Flexible in any Environment

Adhesion

Excellent adhesion to properly prepared surfaces, cement stucco, acrylic finishes, most common sidings (not vinyl) and all Stuc-O-Flex finish coat products.

Features & Benefits

- * Over 300% Elongation / Bridges cracks
- * 98% Elongation recovery
- * Low temperatures flexibility / Suitable for all climates
- * Retains flexibility / Internally plasticized
- * Resists wind-driven rain / prevent water penetration
- * Breathable membrane
- * Excellent color retention / UV resistance
- * Long service life and durability / resists color fading
- * Easy to maintain
- * VOC compliant / Environmentally friendly

Coverage

Approximately 800 - 900 square feet per 5 gallon container, depending on substrate & application method. Apply 2 coats of Renew where maximum crack resistance and substrate protection is required.

Storage

Protect from freezing. Store in a cool, dry area out of direct sunlight in a tightly sealed container. Recommended storage temperature between 40-90°F.

Clean-up

Water soluble when wet. Clean tools and equipment with water immediately after use. Dried material is very difficult to remove.

Shelf Life

One year, if protected from direct sunlight and freezing temperatures.

Surface Preparation

Substrate must be clean, dry, and free from all loose or foreign materials prior to application.

Limitations

1. Ambient and surface temperatures must be above 40°F during application and drying period.
2. Renew should never be used on horizontal surfaces (exceptions – ceilings, soffits, etc.).
3. Product performance is directly related to substrate integrity.
4. Renew is a vertical wall coating. Small areas can be sloped; those surfaces shall be minimum 4 in 12 pitch.
5. Never cover Renew with solvent based materials.

Application

Renew may be applied by brush, roller or appropriate spray equipment. Thinning of the product is not recommended. Renew should be screened prior to spray application. Back-rolling is recommended when using airless sprayer or when applied over stucco or other textured substrates. Renew should be applied at a thickness of approximately 8 - 10 wet mils per coat.

Avoid application of different batches side by side (always box pails from different batch numbers). Always check color for proper match prior to application. 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 ensure proper drying.

Typical dry time is 24 hours, depending on climate. Drying time can be greatly affected by low temperatures and/or high humidity. Do not allow product to freeze or allow exposure to rain while drying. Allow additional time during humid and/or cold temperatures.

Note: Renew has over 300% elongation characteristics. The thicker the material is applied, the greater the ability to bridge cracks in the substrate.

Physical Properties

<u>TEST</u>	<u>METHOD</u>	<u>RESULT</u>
ELONGATION % (FINISH)	ASTM D 2370	305 Percent
WATER VAPOR TRANSMISSION	ASTM - 1653	7 - 10 GRAINS PER HOUR (AVERAGE)
SALT SPRAY RESISTANCE	B-117	300 HOURS NO DELETERIOUS EFFECTS
ACCELERATED WEATHERING	ASTM D 4587	2000 HOURS NO DELETERIOUS EFFECTS
ABSORPTION FREEZE THAW	60 CYCLES	NO CRACKING, CHECKING
TENSILE BOND	ASTM D 2370	200 PSI
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	TTC 555	MAX. 0.2 LBS GAIN
FIRE TESTING TUNNEL TEST	ASTM E-84	FLAME SPREAD < 25 SMOKE DEVELOPED < 450 CLASS "A" FIRE RATED
FUNGUS RESISTANCE	ASTM D 3273	MINIMUM 8 / NO GROWTH
LOW TEMPERATURE FLEXIBILITY	ASTM D 1737	NO CRACKING

Manufacturer

Stuc-O-Flex International, Inc.
17639 NE 67th Court
Redmond, WA 98052
1-800-305-1045
1-425-885-5085
1-425-869-0107 Fax
Info@stucoflex.com (E-mail)
www.stucoflex.com (Web page)