

# Stuc-O-Base

## Wet Base Coat

## Concentrate

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### Description

Stuc-O-Base is a wet-mix concentrate that when mixed 1:1 by weight with Portland Cement is used as an excellent adhesive and underlayment for use with acrylic finish coatings. Stuc-O-Base uses a high quality acrylic polymer that provides a strong bonding surface on several different types of foam as well as concrete substrates, creating a strong level platform for finish coat applications.

### Color

Light beige

### Container

60 pounds net weight / 5-gallon pail

### Use

Stuc-O-Base is used as a base coat, leveling and reinforcement for the Waterway Drainable Stucco assembly, EIFS and direct-applied systems, as well as an adhesive for some foam system applications.

### Adhesion

Good adhesion to stucco, concrete, cement board substrates, block, brick, expanded polystyrene and polyisocyanurate foams.

### Physical Properties

#### Surface Burning – ASTM E-84

< 25 Flame Spread = 0 Result

<450 Smoke Development = 0 Result

#### Adhesion – ASTM C-297

Fiber Faced Gypsum = > 25\*

EPS = > 15\*

Concrete Block = > 65\*

\* = Cohesive Substrate Failure

### Working Time

Use immediately after mixing

Sets in 1-4 hours after being mixed with cement.

### Coverage

Approximately 180 square feet per container for flat substrates once mixed 1 to 1 with Portland Cement.

### Mixing

Stuc-O-Base should be mixed 1:1 by weight (equal parts) with fresh, dry Portland Cement type I or II. Product should be allowed to sit for 10 minutes, then remixed & used immediately. Avoid retempering after mixing the Stuc-O-Base.

### Drying Time

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.

### Storage

Protect from freezing. Store in a cool, dry area tightly sealed. 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.

## Limitations

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

## Surface Preparation

Substrate must be clean, dry, above freezing and free from all loose or foreign materials prior to application including rust, mildew, dust, dirt, form breaker and oils. Remove all loose surface materials using high pressure wash (>3000 psi), sandblast or mechanical wire brush.

Gypsum sheathings shall comply with ASTM C-79 or C-1177. Substrate shall be installed following manufacturers instructions and be free of damage. Replace all weather damaged materials before proceeding.

## Application

Stuc-O-Base is usually applied with stainless steel masonry trowels at a nominal 1/16 -1/8 inch. It can also be spray applied with proper equipment onto the substrate, then troweled to smooth out the surface. Over approved foam substrates and the Waterway Drainable Stucco Assembly, Stuc-O-Base should be used in conjunction with fiberglass reinforcing mesh.

**Adhesive Applications** – Apply to the backside of approved insulation board with a 3/8 inch notched trowel. Apply ribbons over the entire surface running parallel to the short dimension of the insulation. Immediately adhere insulation to properly prepared substrate using firm pressure across the entire surface making positive contact. Place the board on the substrate about 2-3 inches from desired finished location and slide into place to ensure positive contact. Stagger all seams and joints, avoid gaps in foam surface.

**Base Coat Applications** – Apply with stainless steel masonry trowels at a nominal 1/8 inch. Stuc-O-Base can also be spray applied with proper equipment, then troweled to smooth out the surface. Immediately embed Fiberglass Reinforcing Mesh into wet base coat, troweling from the center to the edges. Overlap mesh 2 inches on all ends and edges. Avoid wrinkles and smooth out wet base coat to a minimum 1/16 inch thickness over mesh such that no mesh pattern is visible. Apply an additional layer of base coat if needed to achieve minimum thickness and provide a smooth surface prior to finish coat applications.

Light sanding of the Stuc-O-Base is acceptable to achieve a level substrate for the finish coat; usually this is best performed the day after initial application.

**Skim Coat Applications** - Apply mixed Stuc-O-Base in an adequate thickness to smooth and flush out imperfections in the substrate below. Allow to dry completely (24 hours minimum) prior to Stuc-O-Flex Finish Coat application.

## Manufacturer

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