

# STUCCO MIX

Premium Pre-Mixed Stucco for Exterior Plastering and Stucco



## PRODUCT DATASHEET

**DESCRIPTION:** Rapid Set® STUCCO MIX is a premium blend of Rapid Set® Cement, quality plaster sand, and high performance additives for use in exterior plastering and stucco applications. STUCCO MIX is ideal where fast turnaround, high strength, superior durability, minimal shrinkage, and reduced cracking are desired. The appearance is similar to portland cement-based plaster and may be applied using like methods. Just add water. STUCCO MIX carries a current ICC-ES Evaluation Report (ESR-2671).

**USES:** Use STUCCO MIX for installation over masonry, concrete, fiberboard, gypsum, wood or cement-based sheathing. STUCCO MIX may be used as the scratch and brown coats in conventional 3-coat applications, or as the base coat in one-coat applications.

**ENVIRONMENTAL ADVANTAGES:** Use STUCCO MIX to reduce your carbon footprint and lower the environmental impact of a project. Production of Rapid Set cement emits far less CO<sub>2</sub> than portland cement. Contact your representative for LEED values and environmental information.

**APPLICATION:** Apply STUCCO MIX using traditional means and methods. STUCCO MIX can be applied from 3/8" to 2" (1.0 cm to 5.1 cm) in thickness. Apply by hand (trowel) or by machine. Projects using STUCCO MIX must follow conventional methods, comply with applicable building codes and ICC-ES Report ESR-2671. See CTS specification and application guidelines available at [www.CTScement.com](http://www.CTScement.com).

**SURFACE PREPARATION:** For repair projects, application surface must be clean, sound and free from any materials that may inhibit bond, such as oil, curing compound, acid, dirt and loose debris. Roughen surface and remove all unsound material. The repair surface must be thoroughly Saturated Surface Dry (SSD) with water.

**MIXING:** STUCCO MIX can be mixed in a mortar mixer or with a drill mounted mixer. Use 2.0 to 3.5 quarts (1.9 L to 3.3 L) of water per 50 lb (22.7 kg) bag. Place the desired quantity of mix water into the mixing container. While the mixer is running, add STUCCO MIX. Mix for 3 to 5 minutes, or until a uniform, lump-free consistency is achieved.

**CAUTION: DO NOT RETEMPER OR OVER-MIX. DO NOT ADD PORTLAND CEMENT, LIME, OR ANY OTHER ADMIXTURES UNLESS APPROVED BY CTS CEMENT.**

**PLACEMENT:** Organize work so that all personnel and equipment are ready before placement. Apply and finish using traditional tools and techniques. The working time of STUCCO MIX is approximately 45 minutes at 70°F (21°C). Complete installation of mixed materials before stopping work. The working time may be extended by using cold materials or by adding Rapid Set® SET Control retarding admixture from the Rapid Set® Concrete Pharmacy®. The second coat must be applied as soon as the first coat has attained sufficient rigidity to accept the mechanical force of application without damage.

**CURING:** Water cure STUCCO MIX by misting the surface with clean water to maintain its wet sheen until the material is hard and cannot be easily scratched with a nail (minimum 90 minutes). Cold weather or extended setting times will increase the required curing time. The objective of water curing is to maintain a continuously wet surface until the product has achieved sufficient strength.

## OVERVIEW

### Highlights:

Fast: Ready for color coat in 1 hour after moist curing

Crack Resistant: High strength, low-shrink formula

Efficient: Full thickness in a single application

Easy to Use: Just add water

Save Time: Scratch, brown and apply color coat the same day

### Conforms to:

ASTM C1328\*, ESR-2671, UBC 25-1

### MasterFormat® 2016

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**COATING:** Color coat may be applied after the completion of water curing Stucco Mix per the color coat manufacturer. Under dry ambient conditions, water based coatings such as latex paint can be applied after the product is hardened and dry which usually takes 4 hours. Solvent based and impermeable coatings such as oil based paint and epoxy can be applied in 16 hours.

**COLD WEATHER:** Environmental and material temperatures below 70°F (21°C) may delay setting time and reduce the rate of strength gain. Lower temperatures will have a more pronounced effect. Thinner sections will be more significantly affected. To compensate for cold temperatures, keep material warm, use heated mix water, and follow ACI 306 Procedures for Cold Weather Concreting.

**WARM WEATHER:** Environmental and material temperatures above 70°F (21°C) may speed setting time and increase the rate of strength gain. Higher temperatures will have a more pronounced effect. To compensate for warm temperatures, keep material cool, use chilled mix water, and follow ACI 305 Procedures for Hot Weather Concreting. The use of SET Control retarding admixture from the Concrete Pharmacy will help offset the effects of high temperatures.

**YIELD & PACKAGING:** One 50 lb (22.7 kg) bag of STUCCO MIX will cover approximately 7.0 ft<sup>2</sup> (0.65 m<sup>2</sup>) at 3/4" (1.9 cm) thickness. Yields 0.45 ft<sup>3</sup> (0.013 m<sup>3</sup>) per 50 lb (22.7 kg) bag.

**SHELF LIFE:** STUCCO MIX has a shelf life of 12 months when stored properly in a dry location, protected from moisture, out of direct sunlight, and in an undamaged package.

**APPROVED APPLICATOR FOR PROFESSIONALS:** Contact 800-929-3030 or ApprovedAP@CTScement.com to become an approved applicator.

**USER RESPONSIBILITY:** Before using CTS products, read current technical data sheets, bulletins, product labels and safety data sheets at [www.CTScement.com](http://www.CTScement.com). It is the user's responsibility to review instructions and warnings for any CTS products prior to use.

**WARNING: DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN AND EYES.** Use material in well-ventilated areas only. Exposure to cement dust may irritate eyes, nose, throat, and the upper respiratory system/lungs. Silica exposure by inhalation may result in the development of lung injuries and pulmonary diseases, including silicosis and lung cancer. Seek medical treatment if you experience difficulty breathing while using this product. The use of a NIOSH/MSHA-approved respirator (P-, N- or R-95) is recommended to minimize inhalation of cement dust. Eat and drink only in dust-free areas to avoid ingesting cement dust. Skin contact with dry material or wet mixtures may result in bodily injury ranging from moderate irritation and thickening/cracking of skin to severe skin damage from chemical burns. If irritation or burning occurs, seek medical treatment. Protect eyes with goggles or safety glasses with side shields. Cover skin with protective clothing. Use chemical resistant gloves and waterproof boots. In case of skin contact with cement dust, immediately wash off dust with soap and water to avoid skin damage. In case of skin contact with wet cement, wash exposed skin areas with cold running water as soon as possible. In case of eye contact with cement dust, flush immediately and repeatedly with clean water, and consult a physician. If wet cement splashes into eyes, rinse eyes with clean water for at least 15 minutes and go to the hospital for further treatment.

Please refer to the SDS and [www.CTScement.com](http://www.CTScement.com) for additional safety information regarding this material.

**LIMITED WARRANTY:** CTS CEMENT MANUFACTURING CORP. (CTS) warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of CTS' responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.

## ⚠ WARNING

CANCER and REPRODUCTIVE HARM - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## TYPICAL PHYSICAL DATA

### Set Time, ASTM C266 Mod.

Initial set 75 minutes

### Compressive Strength, ASTM C109 Mod.

6 hours 1000 psi (6.9 MPa)

24 hours 1800 psi (12.4 MPa)

28 days 2900 psi (20.0 MPa)

\*This product is not a portland cement and may have less than 90 minutes set time



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