

FastSet™ Stucco Mix

Division 9

09 24 00 Portland Cement Plastering

Product Description

High Performance Cement FastSet™ Stucco Mix is a fast setting polymer modified, fiber reinforced, Portland cement-based stucco designed for use as the scratch and/or brown coat in a 3-coat stucco application, or the first coat in a 2-coat application. FastSet™ Stucco Mix has a working time of 30 minutes and is formulated to provide crack resistance, minimal shrinkage, high compressive strengths, water repellency and improved durability.

Product Use

FastSet™ Stucco Mix is manufactured as a complete product requiring only the addition of water.

Size

50 lb (22.7 kg) bags

Yield

Each 50 lb (22.7 kg) bag of FastSet™ Stucco Mix will yield approximately .5 cu ft (14.1 L) of mixed plaster.

Technical Data

APPLICABLE STANDARDS

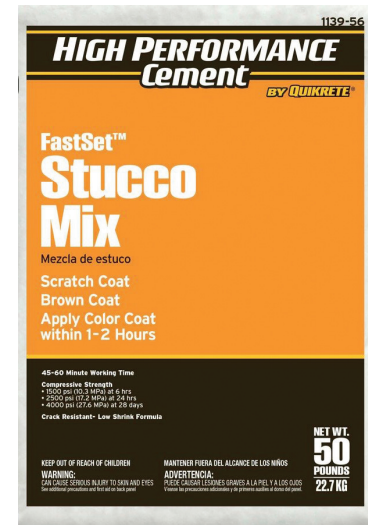
ASTM International - ASTM C926 Standard Specification for Application of Portland Cement Based Plaster

PHYSICAL/CHEMICAL PROPERTIES

FastSet™ Stucco Mix meets ASTM C926 requirements for Portland cement based plaster.

Table 1 Typical Physical Properties

| Compressive Strength, ASTM C 109 Modified | |
|-------------------------------------------|---------------------|
| 6 hours | 1500 psi (10.3 MPa) |
| 24 hours | 2500 psi (17.2 MPa) |
| 28 days | 4000 psi (27.6 MPa) |



Installation

MIXING

- **WEAR IMPERVIOUS GLOVES**, such as nitrile when handling product
- Blend approximately 9 pints (4.26 L) of water per 50 lb (22.7 kg) bag
- Place the water in the mixer, then slowly add the FastSet™ Stucco Mix
- Mix for 2 - 3 minutes, or until a trowelable consistency is achieved
- Excessive addition of water will delay setting, reduce strength, and delay the ability to paint
- Add additional amounts of water if necessary
- Do not add Portland Cement, lime or other admixture

APPLICATION

- FastSet™ Stucco Mix is intended for use over galvanized expanded metal lath or solid bases such as masonry, cast-in-place or precast concrete. Installation over these surfaces shall be in accordance with ASTM C926 and local building codes, including the use of control joints.
- For installation over precast or masonry surfaces, be certain to remove any efflorescence or dust on the surface prior to application.

- FastSet™ Stucco Mix may be applied with a trowel or sprayer according to typical stucco techniques.
- WEAR IMPERVIOUS GLOVES, such as nitrile when handling product.
- Variation in water addition will affect color uniformity.
- Do not add additional water during application.
- Avoid overlapping fresh stucco over previously dried areas as this will result in a lack of color uniformity.
- FastSet™ Stucco Mix can be painted approximately 3 hours after application with a water-based latex paint. Only water based coatings are recommended.

APPLYING THE SCRATCH COAT

- Trowel the scratch coat onto the lath or mesh, working from bottom to top. The scratch coat should be minimally 3/8" (10 mm) thick. Force it through the wire mesh so that it fills the gap 1/4" (6 mm) between the mesh and wall completely.
- Smooth the scratch coat with a trowel
- After the scratch coat has set enough to be firm but not hard, use a rake to scratch horizontal grooves approximately 1/8" (3 mm) deep across the face of the base coat mortar.
- If the brown coat is not being applied within several hours of the scratch coat having hardened sufficiently, proceed with moist curing the scratch coat per the instructions below.

APPLYING THE BROWN COAT

- Dampen the surface of the scratch coat with a fine spray of water (do not soak).
- Use a trowel to apply the brown coat to a minimal thickness of 3/8" (10 mm). Do the entire wall section in one work session, otherwise a difference in color may be noted through the finish coat.
- Screed the brown coat evenly by running the edge of a straight edge or rod over the brown coat and smoothing out the high and low spots.
- After the brown coat has lost its sheen, float it smooth.

MOIST CURING

Keep moist to minimize cracking. Typical moist curing requires a fine mist of water three hours after application and a secondary misting after three additional hours. Mist applications should be increased for hot, dry, sunny or windy conditions. Care must be exercised to avoid erosion damage to plaster surfaces when dampening. For typical scratch then brown-coat applications which do not have significant interruption between the coats, moist curing is not required between the coats. If the application sequence is interrupted by more than a few hours, the existing coat should be dampened prior to application of the successive brown or finish stucco coat. Stucco should not be dampened before painting.

Precautions

- Do not apply when temperatures are expected to fall below 40°F (4°C) within a 24 hour period.
- Do not apply when rain is expected within 4 hours after application.
- Mix only as much material as can be applied in 30 minutes.
- The final color of FastSet™ Stucco Mix, like other cementitious materials, may vary due to water addition, application techniques, and environmental conditions.
- Paint only using a water-based latex paint, or coat with a water-based coating.

Warranty

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing at: One Securities Centre, 3490 Piedmont Road, Suite 1300, Atlanta, GA 30305. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

Refer to www.highperformancecement.com for the most current technical data, MSDS, and guide specifications.