



CONVENTIONAL CEMENT STUCCO

FOR GENERAL EXTERIOR APPLICATION

Each 94-lb bag of California Stucco comes to you containing all the necessary ingredients ready for use with the addition of clean water. Great care has been taken in combining these materials to secure uniformity. When reasonable care is used and adhering to the following instructions, satisfaction will be obtained.

SPECIFICATIONS

MOISTURE BARRIER:

- A. Install 2 layers of a Grade D vapor barrier in accordance with local building code, ICC and IRC over all substrates excluding cement, brick and block.

LATH:

- A. Minimum of 2.5 lb. sq. yd. self-furring galvanized steel or zinc in compliance with ASTM C 847
- B. Minimum of 1 inch 20 gauge hexagonal stucco mesh by overlapping 3" along seams, pull tight to substrate, without buckles or sags in compliance with ASTM C 1032.

FASTENERS:

- A. Attach stucco mesh to substrate with approved fasteners or galvanized nails with at least 3/8" diameter head.
- B. Allow sufficient length of nail to penetrate substrate not less than 1", spaced 6" on center along studs.

ACCESSORIES:

- A. Outside corners are to be covered with metal reinforcement.
- B. Control joints are to be placed in the absence of detail, approximately every 150 square feet and where dissimilar materials abut.

SCRATCH COAT (FIRST):

- A. Mixture to include one 94-lb bag of Portland Cement Type I, one 80-lb bag of Mortar Type M and 40 shovels of clean, sharp sand. Approximate coverage is 190 square feet.
- B. The thickness of this coat shall be approximately 3/8" measured from the face of the backing.
- C. Before the scratch coat hardens, it shall be evenly scratched to provide a good mechanical key for the second or brown coat.
- D. The scratch coat shall be moist cured for not less than forty-eight hours (48) after application.



BROWN COAT (SECOND):

- A. Mixture to include one 94-lb bag of Portland Cement Type I, one 80-lb bag of Mortar Type M and 44 shovels of clean, sharp sand. Approximate coverage is 200 square feet.
- B. Before applying the brown coat, the surface of the scratch shall be dampened evenly to obtain uniform suction.
- C. The thickness of the brown coat shall be approximately 3/8".
- D. The surface shall be brought to a true, even surface by floating or rodding and left rough, ready to receive the finish coat.
- E. Brown coat shall be moist cured for forty-eight (48) hours after application and then allowed to dry.
- F. **PLEASE NOTE:** It has become an accepted practice within the plastering trade to double back with the brown coat as soon as the scratch is sufficiently rigid enough to accept it. The two coats can be put into place in a single day.

FINISH COAT (THIRD):

- A. Finish coat, color and texture shall be approved by the architect in advance of starting the application. In cold weather, we recommend that white stucco be chosen because of the white efflorescence leaching out to the surface from the cement.
- B. Finish coat shall be applied no sooner than one week after the application of the preceding coat.
- C. The finish coat shall be laid out to permit the completion of the entire wall surface in one (1) operation. If this is impractical, the finish coat shall be carried to some natural breaking point such as doors, windows or belt courses.
- D. Before applying the finish coat, the surface of the brown coat shall be dampened evenly to obtain uniform suction. Finish coat should be troweled to a thickness of approximately 3/16".
- E. On the day following the application of the finish coat of California Stucco, the entire surface should be evenly moistened. The quality of the stucco will be greatly improved by wetting thoroughly for a minimum of two (2) consecutive days. One (1) 94-lb bag of California Stucco will cover approximately fifty (50) square feet (float finish).

MIXING INSTRUCTIONS

California Stucco should be mixed with a power mixer for at least fifteen (15) minutes to insure proper hydration. If hand mixed, allow fifteen (15) minutes slack time. Never attempt to rework material, which has partly set. Caution should be taken that a measured amount of water is used from one batch to the next, as this is important to control color variation.



APPLICATIONS

WOOD FRAME OR STEEL CONSTRUCTION:

Over exterior plywood, OSB, Gypsum, Durock and any other approved substrate. Apply 2 layers of Grade D building paper or local building code approved application, horizontally with each sheet lapping 4" over the sheet below. Over the paper, apply 2.5 or 3.4 self-furring lath. Then proceed with Scratch (if necessary), Brown and Finish coats as described in specifications. The finish stucco should be laid out to permit the completion of an entire elevation in one operation, carried out to natural break points or control joints. There must be no stoppage of work within a panel.

OLD BRICK:

Apply metal reinforcing, using self-furring galvanized mesh or local building code approved application, overlapping, staggering and securing every 4" on seams with masonry nails into horizontal joints. Then proceed with Scratch, Brown and Finish coats as described in specifications.

BLOCK/NEW BRICK:

Surface must be clean, dry and free of all foreign materials. Block/new brick should be uniformly moistened, but not saturated. Then proceed with Scratch, Brown and Finish coats as described in specifications.

OTHER SURFACES:

Monolithic concrete, hard burned brick and other masonry surfaces not sufficiently rough enough to provide a good mechanical key, and where metal lath is not required, apply a dash coat (mixture to include Portland cement and 0-2% aggregate combined to a slurry consistency). Dash with brush or trowel against wall, leaving undisturbed for 24 hours, to allow for an uninterrupted bond. Surface should be free from oil and other elements that would inhibit an adequate bond. Acid washing, bonding agents and other procedures may be required, depending on job conditions, and should be under the direct supervision of a journeyman plasterer. Then proceed with Scratch (if necessary), Brown and Finish coats as described in specifications.