



# BASE COAT SCRATCH & BROWN STUCCO

◆ The Pro's Choice Since 1936



Sakrete® Base Coat Scratch and Brown Stucco is a gray, blended, water resistant, portland/lime cement-based, material used for scratch and brown coat stucco work.

## Features:

- Meets ASTM C926 Standard Specification for Application of Portland Cement-Based Plaster
- Preblend with sand requiring only the addition of water
- Can be used in a 3 coat system or 2 coat scratch and brown application
- Water resistant with a breathable finish

## Use For:

- Concrete Block
- Vertical and overhead applications
- Scratch and Brown
- Applications over metal lath, welded or woven wire lath in accordance with ASTM C1063
- Brick or Stone

## Yield/Water/Coverage:

Bag Size	Trowel Applied	Spray Applied	Water
80 lb (36.3 kg)	70 ft <sup>2</sup> (6.4 m <sup>2</sup> ) at 1/8" (3.2 mm) thick or 35 ft <sup>2</sup> (3.2 m <sup>2</sup> ) at 1/4" (6.4 mm) thick	60 ft <sup>2</sup> (5.5 m <sup>2</sup> ) at 1/8" (3.2 mm) thick	1.5 gal (5.8 L)

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage. Coverage can vary depending upon texture, weather, method of application, workmanship and other conditions.

## Color:

Gray

## Technical Data:

Typical Values

Compressive Strength ASTM C109	
7 days	725 psi (5 MPa)
28 days	1,100 psi (7.6 MPa)

DIVISION 9  
Portland Cement Plastering - 09 24 00

## Preparation/Application:

For best results all material should be stored between 40°F (4°C) and 90°F (32°C).

1. Remove all unsound concrete, mortar, grease, oil, paint and other foreign materials that will inhibit performance.
2. When applying over a base coat, CMU (Concrete Masonry Unit) or other porous surfaces, dampen the surface first.
3. When applying over a smooth non-absorbent surface follow the provisions of ASTM C926 for surface treatment and the use of Sakrete Bonder & Fortifier or Sakrete Concrete Glue.
4. When used over old stucco, Sakrete Concrete Glue or Sakrete Bonder/Fortifier is required.

Refer to:

- ASTM D4258 Surface Cleaning of Concrete before painting
- ASTM C926 Application of Portland Cement Plaster
- ACI 524R Guide to Portland Cement Plastering

## Placement:

1. Apply a scratch and brown coat in accordance with ASTM C926 prior to application of the stucco.
2. Install to a minimum thickness in accordance with the standards referenced.
3. Finish according to the texture specified. Wood floats are preferred.
4. Over-floating the material can result in color variations, mottling and surface defects.
5. The air, mix & substrate temperatures should all be between 40°F (4°C) to 90°F (32°C).

## Spray Application:

Note: The following information is offered as a guide only. Specific product, equipment, application conditions and user experience will influence proper application results. Consult with the equipment manufacturer for equipment handling techniques. Field Test material with equipment prior to starting project.

Spray an even, consistent coat, moving the nozzle with a steady, even motion, maintaining the same distance and angle from the wall.

Progressive Cavity Pump	Hose diameter & max length	Gun	Tip	Pressure at Pump	Pressure at Gun
2.5 L	1" to 1.5" (25.4 to 38.1 mm)	Pole	7/16" to 9/16" (11.1 to 14.3 mm)	300-400 psi (2.1-2.8 MPa)	Air compressor to furnish 50 psi (0.3 MPa)

## Mixing:

1. Use clean tools and potable water. A mixer will help with uniformity.
2. Use approximately 1 1/2 gal (5.8 L) of water per 80 lb (36.3 kg) bag.
3. Place the water in the mixer, gradually adding the stucco to the mixing water and mix until material is wet and of a trowelable consistency (about 3 - 4 minutes).
4. Water and mixing time must be kept to a minimum and be consistent between batches. Inconsistent amounts of water from bag to bag will result in color variations on the wall.



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5. Allow mixer to sit for 2 minutes, than remix for one minute. A small amount of water may be added at this time if mix is stiff.
6. Mix only quantities that can be applied within one hour.
7. If mixture becomes stiff and difficult to trowel, discard it. Do not re-temper. Re-tempering will seriously affect performance.
8. When used over porous substrates and/or during hot, dry weather replace 1/2 gallon of water with the Sakrete Bonder & Fortifier or prime with Sakrete Concrete Glue.

Note: Refer to applicable sections of the standards referenced. DO NOT re-temper. Re-tempering will seriously affect color. When using Sakrete Bonder & Fortifier, pre-dilute with water first before mixing with the stucco. The addition of Bonder & Fortifier improves bond, curing, reduces shrinkage cracks, improves color retention and helps reduce efflorescence.

## **Curing:**

1. Proper curing is critical for sound results.
2. Protect newly applied substrates from rain for 24 hours. Protect from freezing for 24 hours after application.
3. Materials modified with Sakrete Bonder & Fortifier should be air cured, unless hot and/or drying winds or low humidity are present. Under such conditions if not modified, lightly fog spray.
4. Cure per American Concrete Institute 308-Standard Practice for Curing Concrete. As with all stucco, surface cracking may occur due to curing conditions, control joint configurations, over-watering, over-troweling or other conditions beyond the control of the manufacturers of Sakrete products.
5. Efflorescence is a naturally occurring phenomenon associated with portland cement based products. Elevated mineral content, salts, or other particulates can exacerbate this condition.

## **Precautions:**

- DO NOT apply over substrates that are frozen.
- DO NOT apply if air or substrate temperature is below 40°F (4°C) or above 90°F (32°C).
- DO NOT apply when temperature is expected to fall below 40°F (4°C) within 48 hours.
- DO NOT over-water.
- DO NOT over-float material.
- DO NOT use high mineral content or salt water.
- DO NOT apply over painted, sealed or slick surfaces.

*NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.*

## **Safety:**

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).

**KEEP OUT OF REACH OF CHILDREN.**

## **Limited Product Warranty:**

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.