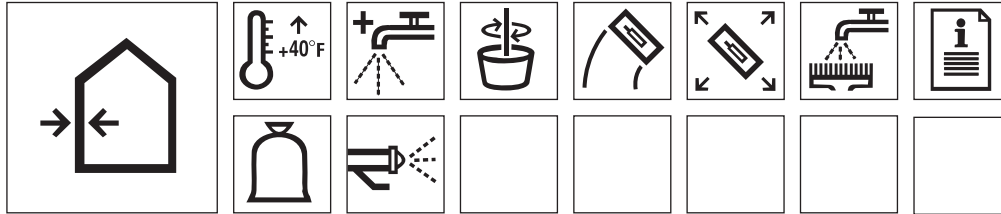


# StoPowerwall™ Scratch & Brown

108

Division 9

108 StoPowerwall™ Scratch  
& Brown



Features	Benefits
<b>1 Concentrate</b>	Economical; easier to transport to jobsite; high-quality consistent formula batch to batch
<b>2 Abrasion, impact, and water-resistant</b>	Creates a highly durable, long lasting base coat
<b>3 Fiber reinforced</b>	Resists cracking; higher flexural strength

## Surface Preparation

**Wood or metal frame construction:** At least 2.5 or 3.4 lb./yd<sup>2</sup> galvanized diamond mesh lath to comply with ASTM 1032, or 17 gauge 1½ inch self-furred galvanized steel woven wire to comply with ASTM 847.

**Concrete and masonry surfaces:** Surfaces must be slightly scarified and free of all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed and repaired. Dampen surface prior to application of stucco.

## Mixing

Plaster sand shall comply with ASTM C 144 or C 897. Conform to mix ratios in ASTM C 926, Table 3, Types M and FM. Mix in a mechanical type mixer. Add two thirds of the water first, then one half of the sand and then the StoPowerwall Scratch and Brown. Add the rest of

the sand and water to a desired consistency and mix for no less than five full minutes. Do not add excess water to mix. Limit water addition to achieve a stiff but workable consistency. Avoid retempering. Discard material that has taken initial set.

PLASTER COAT	SAND VOLUME	
	PARTS	SHOVELS
Scratch Coat	2½-4	17-28
Brown Coat	3-5	21-35
Finish Coat	2½-3	17-21

*StoPowerwall™ Scratch & Brown is a factory prepared Portland cement base coat to which sand and water are added at the job site. StoPowerwall Scratch & Brown is an integral component of a conventional one-hour stucco assembly. It meets ASTM 926 requirements for Types M and FM. It can be applied in a total thickness of ¾" - 7/8" (19 mm-22 mm).*

### Coverage

80 lb bag:  
Scratch Coat: 140-150 ft<sup>2</sup>/15-16.5 yds<sup>2</sup> (12.5-13.8 m<sup>2</sup>) at ¾" thickness.  
Brown Coat: 170-180 ft<sup>2</sup>/18-20 yds<sup>2</sup> (15-16.7 m<sup>2</sup>) at ¾" thickness.

94 lb bag:  
Scratch Coat: 165-175 ft<sup>2</sup>/17.5-19.0 yds<sup>2</sup> (14.5-15.8 m<sup>2</sup>) at ¾" thickness.  
Brown Coat: 200-210 ft<sup>2</sup>/21-23 yds<sup>2</sup> (17.5-18.7 m<sup>2</sup>) at ¾" thickness.

### Packaging

StoPowerwall Scratch & Brown:  
80 lb bag (36.2 kg).  
94 lb bag (42.5 kg).

### Shelf Life

12 months in original unopened, properly stored container and protected from moisture.

### Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture, direct sunlight, and freezing.

# 108 StoPowerwall™ Scratch & Brown

## Application

StoPowerwall Scratch & Brown may be applied by hand or machine. Application methods, acceptable substrates, and total applied thickness shall meet the requirements set forth in ASTM C926.

Surface temperatures must be above 40°F (4°C) during application and for 24 hours following set of stucco. Apply with proper spray equipment or a stainless steel trowel, and only to sound and clean, dry, properly prepared, frost free surfaces. Consult equipment manufacturer for proper spray/pump application.

Scratch the first coat horizontally and apply the second coat as soon as the first coat is firm enough to receive it. Alternatively, moist cure the first coat up to 48 hours and dampen the scratched surface with water immediately before applying the second coat. Level the stucco surface with a darby or stainless trowel to achieve a smooth, plumb surface.

## Limitations

- Do not install StoPowerwall Scratch & Brown over stucco accessories or joints in construction.
- Do not install at temperatures below 40°F (4°C).
- Some cracking and efflorescence are inherent in Portland cement stuccos. These are not product defects.

## Curing/Drying

StoPowerwall Scratch & Brown requires a minimum of forty-eight (48) hours moist curing. Environmental conditions such as heat, wind, and low humidity all require liberal curing.

## Finishing

A variety of finishes such as Sto Flexfinish, Sto Powerflex, StoSilco® Flex, or Sto Powerflex Silco elastomeric finishes; or Stolastic or StoSilco® Lastic elastomeric coatings may be applied over StoPowerwall Scratch & Brown. The use of Sto Hot Prime® is recommended prior to finish application.

## Clean Up

Clean tools and equipment with water immediately after use. Cure material can only be removed mechanically.

## Health And Safety

### Health Precautions

Contains Portland cement and crystalline-free silica. Avoid breathing dust. As with any chemical construction product, exercise care when handling.

### Safety Precautions

Use adequate ventilation. Use of a NIOSH/MSA-approved dust respirator, safety goggles and protective gloves are recommended.

### First Aid

SKIN CONTACT: Wash hands thoroughly with soap and water.

EYE CONTACT: Flush immediately with water for 10-15 minutes and contact a physician.

RESPIRATORY PROBLEMS: Remove affected person to fresh air immediately and contact a physician.

HYGIENE: Wash hands immediately after use. Wash clothing before reuse.

### Spills

Collect in an appropriate container. Uncured material may be removed with water.

### Disposal

Dispose of in accordance with local, state or federal regulations.

### Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Material Safety Data Sheet for further health and safety information.

### LIMITED WARRANTY

THIS PRODUCT IS SUBJECT TO A WRITTEN LIMITED WARRANTY WHICH CAN BE OBTAINED FREE OF CHARGE FROM: Sto Corp., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331; Tel: 404-346-3666; Fax: 404-346-3119.

### ATTENTION

This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, [www.stocorp.com](http://www.stocorp.com).

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