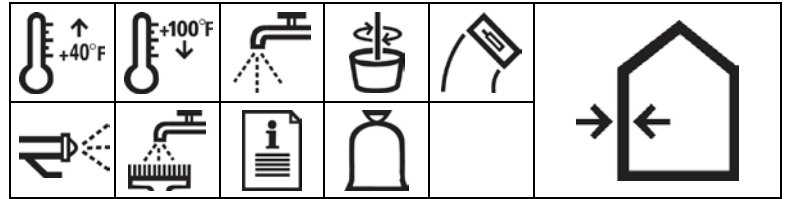


# Powerwall® Scratch & Brown

80108 Powerwall® Scratch & Brown



## Technical Data

Powerwall Scratch & Brown Blend	Mix Ratio: Water <sup>1</sup> / Bag / Sand <sup>2</sup>	Mix Time (min)	Yield <sup>3</sup> in ft <sup>2</sup> at thickness of 3/4"	Compliance <sup>4</sup> ASTM C 926
Western Top Gun Premium Plaster	Pump: 2.75 – 3.25 gal / 94 lbs. / 3 parts Hand: 3.75 – 4.25 gal / 94 lbs. / 4 parts	3 – 5	Pump: 45–55 Hand: 55-65	Yes <sup>5</sup>

Powerwall® Scratch & Brown is a factory prepared portland cement stucco base coat to which sand and water are added at the job site. Powerwall® Scratch & Brown is an integral component of a conventional one hour fire-rated stucco assembly. It meets ASTM 926 requirements.

1. Water must be clean and potable. Limit amount of water to stiff but workable consistency.
2. Sand added at job site: use damp, loose, washed plaster sand in conformance with ASTM C 897 or C 144.
3. Yield will vary with application technique, surface conditions, substrate variances from required tolerance, and other variables that may exist.
4. Portland cement in mix complies with ASTM C 150.
5. Mix complies with C 926 mix ratio requirements. Installation and other aspects of C 926 such as stucco thickness must be followed for full compliance.

### Packaging

Powerwall Scratch & Brown:

94 lb bag (42.5 kg).

### Shelf Life

12 months if properly stored and protected from moisture.

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

### Storage

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

## Surface Preparation

**Concrete and masonry surfaces:**  
Substrates must be absorbent, slightly scarified, and free of all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose, weak or damaged material must be removed and repaired. Dampen highly absorbent substrates prior to application of stucco. Verify bond of Powerwall Scratch & Brown Stucco to properly prepared concrete or concrete masonry, as specified by design professional, at minimum 28 day age of stucco.

**Wood or metal frame construction:**  
Self-furring or furred galvanized diamond mesh metal lath or welded wire or fabric lath must be in conformance with and be installed in compliance with the applicable building code.

Refer to ASTM C 926 for complete details on preparation and required condition of surfaces to receive portland cement stucco and recommended construction practices when installing stucco.

## Mixing

Plaster sand shall comply with ASTM C 144 or C 897. Mix in a mechanical type mixer. Add one half to two thirds of the water first, then one half of the sand required for the batch. While sand and water are mixing add all of the bags of Powerwall Scratch and Brown required for the batch. Add the rest of the sand

and the minimum amount of water for proper consistency and mix for the prescribed amount of minutes after all materials are in the mixer. Keep mix ratio consistent from batch to batch and mix each batch separately. **USE ONLY THE AMOUNT OF WATER NECESSARY FOR A STIFF BUT WORKABLE MIX. DO NOT ADD EXCESS WATER TO MIX. USE OF EXCESS WATER IS DETRIMENTAL TO PERFORMANCE.** Avoid re-tempering. Discard material that has taken initial set.

## Powerwall® Scratch & Brown

### Application

Powerwall 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 C 926.

Surface temperatures must be above 40°F (4°C) and below 100°F (34°C) during application and for at least 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 rod or straight edge, fill low spots with stucco, then darby and float to achieve a smooth, even surface receptive for finish.

### Limitations

- Do not install Powerwall Scratch & Brown over stucco accessories or joints in construction
- Install only at temperatures above 40°F (4°C) and below 100°F (34°C). Maintain these temperatures for at least 24 hours following set of stucco
- Do not apply to surfaces that have not been properly prepared
- Not recommended as a finish coating
- Do not add air-entraining agents, accelerants, waterproofing agents, or any other additives to the stucco mix.
- Some cracking and efflorescence are inherent in portland cement stucco. These are not product defects.
- Always verify bond to the prepared substrate, as specified by the design professional, at minimum 28 day age of stucco. Where the substrate is too smooth, dense, or non-absorbent for stucco adhesion, install appropriate metal lath plaster base as specified by the design professional.

### Curing/Drying

Moist cure by lightly fogging the installed area for at least 48 hours after the stucco takes initial set (usually within the first 1 to 4 hours after installation). Hot, dry, or windy weather requires more frequent moist curing to avoid rapid dehydration of stucco.

### Finishing

Allow final stucco application to completely dry before applying primer or finish. Check for pH<10 before installing Sto primer or finish or wait 28 days for full cure of stucco. Alternatively, install Sto Hot Prime minimum 2 days after moist cure of stucco, then install Sto finish after 7 day age of stucco.

### Clean Up

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

### Health And Safety

#### DANGER!

Harmful if swallowed, causes skin irritation. Causes serious eye damage. May cause cancer. Causes damages to lungs through prolonged or repeated exposure.

#### Health Precaution

Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have read and understood.

#### First Aid

**Inhalation:** If breathing is difficult remove victim and keep at rest in a position comfortable for breathing. Seek medical advice/attention, if you feel unwell.

**Skin Contact:** In case of contact immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothes before reuse. Call a physician, if irritation develops and persists.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Ingestion:** If swallowed do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician. Store locked up.

**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 Safety Data Sheet (SDS) on [www.stocorp.com](http://www.stocorp.com) 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.

Refer to Sto Specifications for more complete information on proper use and handling of this product.

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#### 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 Canada Ltd. website, [www.stocanada.com](http://www.stocanada.com).