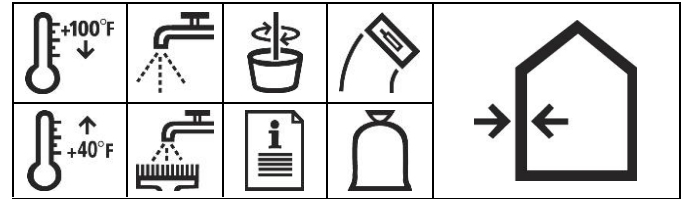


Powerwall® Scratch & Brown

80108-010 Powerwall® Scratch & Brown (Florida Only)



Technical Data

Powerwall Scratch & Brown	Mix Ratio by Volume: StoPowerwall / Sand (cu ft)		Yield ³ in sq ft for Listed Thickness of Stucco (in)				
	Scratch Coat	Brown Coat	Sand	¼"	3/8"	½"	¾"
	1 bag / 2.25-4 cu ft	1 bag / 3-5 cu ft	2.5	120	90	60	45
		3	144	108	72	54	
		3.5	168	126	84	63	
		4.0	192	144	96	72	

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 specially formulated for ease of workability.

Packaging
80 lb bag (36.3 kg)

Shelf Life
12 months if properly stored in sealed unopened bag.

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

1. Water must be clean and potable. Limit amount of water to achieve a stiff but workable consistency.
2. Sand added at job site: use damp, loose, washed plaster sand in conformance with ASTM C897. Use a 1 cu. ft. box to measure loose sand volumes.
3. Yield will vary with application technique, surface conditions, substrate variances and other variables that may exist.

Features	Benefits
1 Concentrate	Economical; easy to transport to jobsite; high-quality consistent material from batch-to-batch
2 Specially formulated for ease of workability	Contractor friendly to mix and apply
3 Abrasion, impact, and water-resistant	Creates a durable stucco base coat
4 Complies with ASTM C926 when mixed with prescribed sand	Meets Florida Building Code requirements

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 StoPowerwall Scratch & Brown 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 C926 for complete details on preparation and required condition of surfaces to receive portland cement stucco and recommended construction practices when installing stucco.

Mixing

Sand shall be damp, loose, washed plaster sand in conformance with ASTM C897. Mix in a mechanical type mortar mixer. Add approximately 2/3 of the water first, then 1/2 of the sand required for the batch, then 1 bag of Powerwall Scratch & Brown. While mixing, add the remaining amount of sand required for the batch and the minimum amount of water needed for proper consistency. Mix for 3-5 minutes after all materials are in the mixer.

- Keep mix ratio consistent from batch-to-batch and mix each batch separately. Use a 1 cu ft box to measure loose sand volumes
- **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 C926.

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, to clean, sound, 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.

Note: Refer to Sto ExtraSeal Product Bulletin if installing this product as a brown coat over Sto ExtraSeal.

Precautions and 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 StoPrime Hot 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 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 Corp. website, www.stocorp.com.