



# *Product Specifications*

## **Magna Wall® Scratch & Brown (S&B) Stucco Type S with Fibers**

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*Another Performance Building Product from*

**CONSTRUCTION MATERIALS**

# Magna Wall Scratch & Brown (S&B) Stucco Type S with Fibers

## PRODUCT DESCRIPTION:

### *Basic Use:*

Magna Wall S & B Stucco with Fibers is intended for use in general stucco construction as a Scratch, Brown or Finish coat. It may be trowel or gun applied.

### *Composition and Materials:*

A blend of portland cement, hydrated lime, high performance pozzolan, fibers, and additives.

### *Bag Weight:*

80 lb. (36.36kg)

## TECHNICAL DATA:

### *Applicable Standards:*

ASTM C-1328 for Type S

UBC 25-1

### *A. Fineness:*

This is determined by screening the unmixed cement through a No. 325 mesh sieve.

ASTM C-1328	24% Maximum
UBC 25-1	24% Maximum
Magna Wall S & B	14.7%

### *B. Autoclave Expansion:*

This test is used to predict the long-term durability of the product.

ASTM C-1328	1% Maximum
UBC 25-1	1% Maximum
Magna Wall S & B	0.04%

### *C. Time of Setting:*

Initial time of set must be long enough to allow adequate time to apply and trowel the product. The final set time must be rapid enough not to interfere with production.

	Initial Set, Minimum	Final Set, Maximum
ASTM C-1328	Not Less Than 90 Minutes (1.5 Hours)	Not More Than 24 Hours
UBC 25-1	Not Less Than 90 Minutes (1.5 Hours)	Not More Than 24 Hours
Magna Wall S & B	105 Minutes (1.75 Hours)	230 Minutes (3.8 Hours)

### *D. Compressive Strength:*

Magna Wall S&B Stucco with Fibers exceeds ASTM standards and continues to gain strength over time.

	7-day	28-day	90-day	365-day
ASTM C-1328 Minimum	1300 psi	2100 psi	N/A	N/A
Magna Wall S & B	1700 psi	2400 psi	2900 psi	4000 psi

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### E. Air Content:

Air content affects workability, yield and strength. Plasterers want a high air content to increase workability and yield. However, the higher the air content, the lower the compressive strength. ASTM C-1328 sets the standard for air content in stuccos.

	Requirement
ASTM C-1328 Minimum/Maximum	8/20%
Magna Wall S&B	12/16%

### F. Water Retention:

Stucco is affected by water retention in three ways:

- The greater the water retention, the longer the stucco remains workable. With a longer working time, the plasterer does not have to stop to retemper the stucco. This, in turn, increases efficiency and lowers cost. Magna Wall S&B Stucco with Fibers is formulated to remain workable.
- Compressive strength and bond strength are reduced with each retempering. Magna Wall S&B Stucco with Fibers does not need retempering as often as stuccos made from masonry cements; therefore, it retains its strength better.
- When plastering over block or brick with a high initial rate of absorption, the block or brick can dehydrate the stucco before it sets chemically. This is especially true if the stucco has low water retention. This can cause the stucco to powder and fail to develop strength. Magna Wall S&B Stucco with Fibers is formulated for high water retention, so it can be used over highly absorbent surfaces.

ASTM C-1328 Minimum	70%
Magna Wall S&B	82%

### G. Water Resistance:

Magna Wall S&B Stucco with Fibers is formulated to resist water penetration in its finished state. No stucco is waterproof.

### H. Fibers:

Magna Wall S&B Stucco with Fibers uses ultra fine polypropylene fibers. These fibers lay down for easier finishing and are nearly invisible in the mixed or finished stucco.

## PRODUCT USAGE:

### A. Suggested Mixing Proportions:

- 1 bag Magna Wall Scratch & Brown Stucco with Fibers
- 3 cubic feet of ASTM C-897 sand (Stucco Sand)
- 3 to 4 gallons of water depending on the moisture content of the sand

### B. Suggested Mixing Sequence:

- Add three-fourths of the required water to mixer. Start off with 2.5 gallons per bag of stucco. Adjust based on experience and required workability.
- Add half of the required sand.
- Add pigments if used. To obtain maximum benefit of pigments, mix for 2 to 3 minutes before adding stucco. If pigments are used, always add weighed quantities of pigment.
- Add Magna Wall Scratch & Brown Stucco with Fibers.
- Add remaining sand.
- Mix until a uniform color and texture is observed.
- Add additional water to achieve desired workability.
- Machine mixing for 4 to 5 minutes is recommended to obtain the maximum workability. Mixing over 5 minutes is not recommended.

## **STORAGE, APPLICATION, AND CURING:**

Shelf life is about 6 months. Store in a dry area off the ground.

Do not add air-entraining agents, mortar fat, antifreeze, accelerators, or waterproofing agents, as they may interfere with the chemical integrity of this product. Do not apply at temperatures below 40°F, or when freezing temperatures are anticipated within 24 hours. Apply the scratch coat a minimum of 3/8-inch thick. After it has cured sufficiently, apply the brown coat a minimum of 3/8-inch thick. Delaying the application of the brown coat for 48 hours will reduce the number of hairline cracks in the stucco.

All cementitious stuccos require moisture to cure. Moist cure for 48 hours with regular fogging spray after stucco has taken its initial set (2 to 4 hours).

## **GENERAL GUIDANCE**

Stuccoing is a skilled craft and competent plasterers know the standards of craftsmanship. Work cleanly and neatly. Fewer problems are observed on a clean work site.

## **WARNINGS**

See *MSDS for specifics*.

**Si usted no entiende la etiqueta, busque una persona para que se la explique a usted en detalle.** (If you do not understand this label, find someone to explain it to you in detail.)

This product contains portland cement, hydrated lime (calcium and magnesium hydroxide), high performance pozzolans and additives. Respirators are required. Use eye protection, gloves, and boots to avoid contact with skin and eyes. Harmful if swallowed.

Products containing portland cement may contain small amounts of crystalline silica, a known carcinogen. Crystalline silica causes silicosis, a disabling and potentially fatal lung disease. Cement and lime dust can cause irritation and burns to eyes and skin upon contact. In case of contact with skin, wash thoroughly with water. In case of contact with eyes, flush with clean water for 15 minutes and seek medical attention.

**THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.** The State of California (Proposition 65) requires the above warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacture, distribution and intended use.

**KEEP OUT OF REACH OF CHILDREN / MANTENER LEJOS DE NIÑOS**

**NOTICE OF LIMITED LIABILITY:** Because weather, temperature, the amount of water used, as well as the care used in the application of this material are factors beyond Magna Wall's control, Magna Wall's liability is limited (at its sole discretion) to replacement of defective material or refunding the purchase price for the contents of this bag. **MAGNA WALL ASSUMES NO WARRANTY FOR FINISHED WORK, EITHER EXPRESSED OR IMPLIED. MAGNA WALL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, DIRECTLY OR INDIRECTLY SUSTAINED, RESULTING FROM THE USE OF THIS MATERIAL, OR ANY DAMAGES RESULTING FROM LOSS OF PRODUCTION, LOST PROFITS OR PERSONAL INJURY.**