



Product Specifications

Magna Wall® One-Coat Stucco

REV 5/07

Magna Wall Stucco Systems
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Another Performance Building Product from

Magna Wall One-Coat Stucco

PRODUCT DESCRIPTION

Basic Use:

Magna Wall One-Coat Stucco is intended for use as a one-coat stucco. 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*

Magna Wall One-Coat Stucco is sold under National Evaluation Report 459 and ICBO ER 4776.

*ASTM does not have a standard for one-coat stucco. The standard listed is for plastic cement.

A. Fineness:

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

ASTM C-1328	24% Maximum
Magna Wall One-Coat Stucco	16%

B. Autoclave Expansion:

This test is used to predict the long-term hydration of unhydrated particles. This in turn predicts long term failure.

ASTM C-1328	1% Maximum
Magna Wall One-Coat Stucco	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
Magna Wall One-Coat Stucco	150 Minutes (2 1/2 Hours)	270 Minutes (4 1/2 Hours)

D. Compressive Strength:

Magna Wall® One-Coat Stucco exceeds ASTM standards and continues to gain strength over time.

	3-day	7-day	28-day	90-day
ASTM C-1328 Minimum	N/A	1300 psi	2100 psi	N/A
Magna Wall One-Coat Stucco	1250 psi	1600 psi	2800 psi	3200 psi

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 plastic stuccos.

	Requirement
ASTM C-1328 Minimum/Maximum	8/20 %
Magna Wall One-Coat Stucco	12/16 %

F. Water Retention:

ASTM C-1328 Minimum	70%
Magna Wall One-Coat Stucco	82%

G. Water Resistance:

Magna Wall One-Coat Stucco is formulated to resist water penetration in its finished state. No stucco is waterproof.

PRODUCT USAGE

A. Suggested Mixing Instructions:

a. Magna Wall One-Coat Stucco has been formulated to require only 4 to 6 gallons of water depending on the amount of sand used and the moisture content of the sand.

b. Use 2.5 to 3.0 cubic feet of loose damp sand per bag of Magna Wall One-Coat Stucco. This is:

19 to 22.5 gallons,
3.5 to 4.0 5-gallon buckets, * or
15 to 18 No. 2 shovelsful. **

* Loose fill and screed off. Most 5-gallon plastic buckets level full hold 5.5 gallons

** Shovel capacity varies with moisture of sand and the operator. We recommend measuring with a 5-gallon bucket.

B. Magna Wall One-Coat Stucco is designed to be gun applied, or to be applied by trowel.

C. For consistent results, use a mechanical mixer and measure the sand and the water. Mixing 4 minutes will improve the workability and water retention for hand application. Over mixing will entrain excess air, which will lower the compressive strength.

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 35°F, or when freezing temperatures are anticipated within 24 hours. Apply the initial coat a minimum of 3/8-inch thick to fully embed lath.

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 clean and neat. 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 and hydrated lime (calcium and magnesium hydroxide). 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 NINOS

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.**