



BROCO®

Stucco Cement Type S and M

MANUFACTURER

CEMEX
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PRODUCT DESCRIPTION

Broco Stucco Cement meets the requirements of ASTM C91 "Masonry Cement" (Table 1) and ASTM C1328 "Plastic (Stucco) Cement for Types S and M."

Broco Stucco Cement consists of a mixture of portland cement, limestone, and chemical admixtures to provide plasticizing properties and other enhanced performance attributes. These components are proportioned at the cement plant under controlled conditions for product consistency.

Basic Use: Broco Stucco Cement will produce Plaster Mixes "MS" or "FMS" as defined in ASTM C926 "Standard Specification for Application of Portland Cement-Based Plaster." Broco Stucco Cement when proportioned and mixed in accordance with ASTM C926 is designed to provide workability and bond.

Limitations: The plaster mortar may be hand or machine applied. The number of coats and the thickness of the stucco should be in accordance to the requirements of ASTM C926, and consistent with industry standards.

When stucco is to be applied to smooth, non-porous solid substrates, an exterior bonding agent meeting the criteria of ASTM C932, or other approved method outlined in ASTM C926 is recommended to be used to ensure adequate adhesion.

Availability: Broco Stucco Cement is available in 79 pound bags containing a plastic moisture barrier and in bulk via pressurized bulk containers.

INSTALLATION

Proportioning: The stucco mixture should be produced with sand meeting the requirements of ASTM C926. The stucco mixture shall be proportioned in accordance with ASTM C926 for base coats and finish coats. (Table 2)

Mixing: Approximately two thirds of the water should be added to the mixer with one half of the sand followed by the Broco Stucco Cement. Add the remaining sand and sufficient water to reach the desired consistency and mix for no less than five full minutes.

No admixtures should be used without the written approval of the architect or engineer of record.

Water: All water should be clean and free from organic material and deleterious amounts of dissolved acids, alkalis and salts.

Application: The plaster coats will be applied in accordance with the requirements of ASTM C926.

The yield or coverage of plaster will vary depending on the thickness of the plaster and the amount of sand used per bag of Broco Stucco Cement. (Table 3)

Plaster Curing: A light fogging with water two to three times a day for three days will enable cement hydration, strength development, and adequate bond, while minimizing drying shrinkage and cracking. Users should adhere to the curing requirements in ASTM C926.

Table 1. ASTM C91 Masonry Cement

Physical Requirements			
Masonry Cement Type	Compressive Strength 28 Day Minimum	Water Retention Min. %	Air Content Max. %
S	2100 psi	70	19
M	2900 psi	70	19

Table 2. Plaster Coat Proportions (Parts by Volume)

Plaster Mix	Cement Type		Fine Aggregate		
	Masonry Cement	Plastic Cement	Scratch Coat	Brown Coat	Finish Coat
MS	1	-	2½ - 4	3 - 5	-
P	-	1	2½ - 4	3 - 5	-
FMS	1	-	-	-	1½ - 3
FP	-	1	-	-	1½ - 3

Table 3. Yield Based on Plaster Thickness and Mix

Area Covered per Bag (Square Feet)*					
Mixture Volumes		Thickness of Stucco Coats			
Cement	Sand	¼"	3/8"	½"	¾"
1	2 ½	120	90	60	45
1	3	144	108	72	54
1	3 ½	168	126	84	63

*Estimation based on a sand volume of 1 cubic foot of damp loose sand. No allowance made for waste.

WARRANTY

CEMEX warrants that the products identified are in accordance with the appropriate current ASTM and Federal Specifications. No one is authorized to make any modifications or addition to this warranty. CEMEX makes no warranty or representation; either expressed or implied with respect to this product and disclaims any implied warranty of merchantability or fitness for a particular purpose.

As CEMEX has no control over the other ingredients mixed with this product or the final application, CEMEX does not and cannot warrant the finished work. The user is responsible for following industry standards and recommended practices.

In no event shall CEMEX be liable for direct, indirect, special, incidental or consequential damages arising out of the use of this product, even if advised of the possibility of such damages. In no case shall CEMEX's liability exceed the purchase price of this product.

PRECAUTIONS

Freshly mixed cement, mortar, grout or concrete may cause minor skin irritations. Avoid direct contact with skin and eyes and if contacted, wash exposed areas promptly with water. Refer to the applicable CEMEX product MSDS prior to use which may be obtained by calling 1-800-99-CEMEX (1-800-992-3639).

TECHNICAL SERVICES

CEMEX technical personnel are available to provide technical assistance by calling 1-800-99-CEMEX (1-800-992-3639).

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