



ACCUMIX

Preblended Masonry

Cement Mortar

Types N, S and M

Gray and Custom Colored

MANUFACTURER

CEMEX

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PRODUCT DESCRIPTION

Basic Use: AccuMix Preblended Masonry Cement Mortar will produce a masonry mortar for use in brick, block and stone construction.

AccuMix Masonry Cement Mortar is also available in Custom Colors. Color selection may be made through your AccuMix representative.

Composition and Materials: AccuMix Preblended Masonry Cement Mortar is a blend of Cemex masonry cement complying with ASTM C91 "Masonry Cement", and dried sand complying with ASTM C144 "Aggregate for Masonry Mortar". Colored mortar contains pigments complying with ASTM C979 "Pigments for Integrally Colored Concrete".

These materials are proportioned, blended, and packaged under strict manufacturing conditions in accordance to the requirements of the Proportion and Property Specifications in ASTM C270 "Mortar for Unit Masonry" for Types N, S or M mortars (Tables 1 & 2).

Availability: AccuMix Preblended Masonry Cement Mortar is available in 80 pound bags containing a plastic moisture barrier, and 3000 pound super sacks to be used in the AccuMix silo system.



INSTALLATION

Mixing: AccuMix Preblended Masonry Cement Mortar only requires the addition of water. Machine mixing should be used whenever possible. Add sufficient water to produce a workable mix. Mortar should be mixed for at least three to five minutes.

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

Retempering: To minimize retempering, mortar should not be mixed more than 15 minutes prior to use. Retempering will not adversely affect mortar quality if only evaporated water is replaced. No mortar should be used or retempered beyond 2½ hours after the initial mixing. Colored mortar should not be retempered.

Application: Good workmanship principles are required for successful application, including proper filling of head and bed joints, careful placement of units, appropriate tooling of the joint, modification of construction procedures and/or schedules to adapt to extreme weather conditions, and proper cleaning procedures.

Tooling of Joints: Tooling of mortar joints increases the density, durability and water tightness of the mortar surface. Masonry joints should be tooled at the same degree of stiffness and moisture. The moisture content of the mortar when tooled will affect the color; the drier the mortar, the darker its final color. If joints are tooled too early, excess water will be drawn to the surface, producing lighter joints.

Hot Weather Precautions: Mortars exposed to hot winds and full sun will tend to lose workability due to the evaporation of water. Common sense precautions should be taken to protect the mortar such as shading the mixer, wetting mortar boards, covering wheelbarrows and tubs, and balancing mortar production to meet demand. If it is necessary to restore workability, mortar may be retempered by adding water and remixing.

Cold Weather Precautions: Mortar should be maintained at a minimum temperature of 40° F as prescribed by standard cold weather masonry specifications. Cold weather admixtures should be approved by the architect.

Table 1. Proportion Specification (Parts by Volume)

Mortar Type	Masonry Cement Type N	Masonry Cement Type S	Masonry Cement Type M	Masonry Sand
N	1	-	-	2 1/4 - 3
S	-	1	-	2 1/4 - 3
M	-	-	1	2 1/4 - 3

Table 2. Property Specification

Mortar Type	Compressive Strength Min., psi (MPa)	Water Retention Minimum %	Air Maximum %
N	750 (5.2)	75	20
S	1800 (12.4)	75	18
M	2500 (17.2)	75	18

TECHNICAL DATA

Applicable Standards

The following standards apply to the use of AccuMix Preblended Masonry Cement Mortar Mix:

- ASTM C91 *Standard Specification for Masonry Cements*
- ASTM C144 *Standard Specification for Aggregates for Masonry Mortar*
- ASTM C270 *Standard Specification for Mortar for Unit Masonry*
- ASTM C780 *Standard Specification for Pre-construction and Construction Evaluation of Mortar for Plain and Reinforced Unit Masonry*

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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