AccuMix ®
PREBLENDED PORTLAND CEMENT LIME MORTAR TYPE N, S, M

PRODUCT DESCRIPTION

Basic Use
CEMEX's Preblended Portland Cement Lime Mortar, when properly proportioned with water, will produce mortar complying with ASTM C270, *Standard Specification for Mortar for Unit Masonry*. The mortar is specially formulated and manufactured to produce masonry mortar for use in brick, block and stone masonry construction.

Composition and Materials
CEMEX's Preblended Portland Cement Lime Mortar is manufactured using portland cement complying with ASTM C150 *Standard Specification for Portland Cement,* ASTM C207 *Standard Specification for Hydrated Lime for Masonry Purposes (Type S),* and dried sand complying with ASTM C144 *Standard Specification for Aggregate for Masonry Mortar*. Colored mortar contains pigments complying with ASTM C979 *Standard Specification for Pigments for Integrally Colored Concrete*.

Types
CEMEX's Preblended Portland Cement Lime Mortars are produced in Type N, Type S and Type M strength levels for use in preparation of ASTM C270 Type N, S or M mortar, respectively. Table 1 is a general guide for selection of mortar type. Other factors, such as type and absorption of masonry unit, climate and exposure, applicable building codes, and engineering requirements should also be considered.

TABLE 1
Recommended Guide for Selection of Mortar Type

Building Segment	Mortar Type
Exterior, above grade,	
load-bearing	N or S or M
non load-bearing	N
parapet wall	N or S
Exterior, at or below grade	S or M
Interior,	
load-bearing	N or S
non load-bearing	N

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Limitations
CEMEX's Preblended Portland Cement Lime Mortars are designed to be mixed with water only. The addition of any other materials to a mortar at the job site is not required or recommended.

INSTALLATION

Mixing
CEMEX's Preblended Portland Cement Lime 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.

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. Masonry joints should be tooled at the same degree of stiffness and moisture. If joints are tooled too early, excess water will be drawn to the surface, producing lighter joints. The joints will appear dark and discolored if tooling is done after stiffening has started.

Hot Weather and Retempering
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. No mortar should be used or retempered beyond 2½ hours after the initial mixing.

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.

TECHNICAL DATA

Applicable Standards

The following standards apply to the use of CEMEX's Preblended Portland Cement Lime Mortar:
ASTM C150 *Standard Specification for Portland Cement*
ASTM C207 *Standard Specification for Hydrated Lime for Masonry Purposes*
ASTM C144 *Standard Specification for Aggregates for Masonry Mortar*
ASTM C270 *Standard Specification for Mortar*
ASTM C780 *Standard Test Method for Pre-construction and Construction Evaluation of Mortar for Plain and Reinforced Unit Masonry*

Water

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

Property Specifications

CEMEX's Preblended Portland Cement Lime Mortars conform to the Property Specifications of ASTM C270 (See Table 2).

TABLE 2
Physical Properties of Portland Cement Lime Mortars (ASTM C270)

Mortar Type	Compressive Strength 2˝ Cubes at 28 days Min., psi (MPa)	Water Retention Minimum %	Maximum % Air
N	750 (5.2)	75	20
S	1800 (12.4)	75	18
M	2500 (17.2)	75	18

Proportion Specifications

CEMEX preblended portland cement lime mortars conform to the Proportion Specification of ASTM C270.

AVAILABILITY

CEMEX's Type N, S, and M Preblended Portland Cement Lime Mortar is available in 3000 lb. supersacks or 80 lb. bags and can be ordered by contacting us at 1-800-99-CEMEX (23639).

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 other ingredients mixed with this product or the final application, CEMEX does not and cannot warrant the finished work.

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.

TECHNICAL SERVICES

CEMEX personnel are available to provide technical assistance for any of your needs concerning Preblended Portland Cement Lime Mortar. Please contact us at 1-800-99-CEMEX (23639).

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