

# DESIGNMIX™ : Mortar Mix

TYPE M, 80 lb – ITEM# MB080DMTM000  
TYPE M, 3500 lb – ITEM# MB350DMTM000  
TYPE N, 80 lb – ITEM# MB080DMTN000  
TYPE N, 3500 lb – ITEM# MB350DMTN000  
TYPE S, 80 lb – ITEM# MB080DMTS000  
TYPE S, 3500 lb – ITEM# MB350DMTS000

## PRODUCT DESCRIPTION

**DESIGNMIX™ Professional-Grade Mortar Mix** is a specially blended portland cement/lime based mortar mix that, when prepared properly, will result in a mortar that conforms to the Property Specification requirements of ASTM C270 (Standard Specification for Mortar for Unit Masonry) and the requirements of ASTM C1714/C1714M (Standard Specification for Preblended Dry Mortar Mix for Unit Masonry). **DESIGNMIX Professional-Grade Mortar Mix** is appropriate for use with brick and concrete block. Properties and uses of mortar vary with specific mortar type. Each **DESIGNMIX Professional-Grade Mortar Mix** bag is stamped with the mortar mix type as specified by ASTM C270.

## SPECIFICATION STANDARDS

The requirements for compressive strength, water retention and air content as prescribed by ASTM C270 are listed in the table below. All ASTM C270 requirements are for mortar that is laboratory prepared, cured, and tested.

ASTM C270 Property Specification Requirements (for Laboratory prepared and tested Mortars)				
Mortar	Type	Avg. Compressive Strength @ 28 days, min., psi (MPa)	Water Retention, min. %	Air Content, max. %
Portland Cement - Lime	M	2500 (17.2)	75	12
Portland Cement - Lime	S	1800 (12.4)	75	12
Portland Cement - Lime	N	750 (5.2)	75	14

**DESIGNMIX Professional-Grade Mortar Mix** is designed for maximum workability with both clay and concrete masonry units. **DESIGNMIX Professional-Grade Mortar Mix Type M** is for use at, below or above grade applications. **DESIGNMIX Professional-Grade Mortar Mix Type S** is designed for use at or above grade applications. **DESIGNMIX Professional-Grade Mortar Mix Type N** is designed for use above grade.

## OTHER LIMITATIONS

When selecting a **DESIGNMIX Professional-Grade Mortar Mix** for particular type and properties, follow local building code requirements.

## CAUTION

Do not place **DESIGNMIX Professional-Grade Mortar Mix** if the temperature is less than 41° F (5° C) or more than 95° F (35° C). Protect the **DESIGNMIX Professional-Grade Mortar Mix** for the first 72 hours after placement.

## STORAGE OF MATERIALS

Store **DESIGNMIX Professional-Grade Mortar Mix** in such a manner as to prevent deterioration or intrusion of foreign material. In general, store bags in a dry area, elevated above the bare ground or floor on pallets or other suitable protection. Protect from rain, snow and other sources of moisture.

## MIXING INSTRUCTIONS

Mix bag contents with the minimum amount of potable water needed to produce a workable consistency. In general, first place 1 gallon of water in a mechanical batch mixer, then add **DESIGNMIX Professional-Grade Mortar Mix**. Continue adding water and **DESIGNMIX Professional-Grade Mortar Mix** as required to get appropriate consistency of mortar and quantity needed. Mix for 3 to 5 minutes. Hand mixing may be permitted by the specifying authority with approved procedures.

## YIELD & COVERAGE

Each 80 lb bag of DesignMix Professional-Grade Mortar Mix will yield approximately 0.74 cu ft of mortar when mixed to a workable consistency, that will cover approximately 40 standard brick or 15 standard 8" block.

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