

DESIGNMIX™ : Professional-Grade Colored Mortar Mix

PRODUCT DESCRIPTION

DESIGNMIX™ Professional-Grade Colored Mortar Mix is a specially-blended portland cement/lime-based mortar mix with the color pre-blended. **DESIGNMIX Professional-Grade Colored Mortar Mix** when prepared properly, will result in a mortar that conforms to the Property Specification requirements of ASTM C270 (Standard Specifications for Mortar for Unit Masonry). **DESIGNMIX Professional-Grade Colored 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 Colored Mortar Mix** bag is labeled with mortar 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:

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

STORAGE OF MATERIALS

Store **DESIGNMIX Professional-Grade Colored 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

Mix bag contents with the minimum amount of potable water needed to produce a workable consistency. In general, first place approximately 1 gallon (4 liters) of mixing water in a mechanical batch mixer, then add **DESIGNMIX Professional-Grade Colored Mortar Mix**. Continue adding water and **DESIGNMIX Professional-Grade Colored 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.

OTHER LIMITATIONS

Follow local building code for tempering limitations and hot or cold weather construction requirements. The color of the hardened mortar may be affected by mortar re-tempering, variations in water added from batch to batch, cleanliness of the mixer, the type and dosage of the masonry cleaner, the type and thickness of the masonry sealer, and other conditions.

YIELD AND COVERAGE

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

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