

DESIGNMIX™ : Type S Mortar Mix with Integral Water Repellent

PRODUCT DESCRIPTION

DESIGNMIX™ Type S Mortar Mix Integral Water Repellent 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 Specifications for Mortar for Unit Masonry), and the requirements of ASTM C1714 / C1714M (Standard Specifications for Preblended Dry Mortar Mix for Unit Masonry) for Type S mortar. **DESIGNMIX™** Type S Mortar Mix Integral Water Repellent is appropriate for use with concrete block manufactured with Integral Water Repellent. Each **DESIGNMIX** bag is stamped with the specified ASTM C270 mortar mix type.

ASTM C 270 PROPERTY SPECIFICATION REQUIREMENTS

The requirements for compressive strength, water retention and air content as prescribed by ASTM C270 are listed in the table below:

MORTAR	TYPE	AVG. COMPRESSIVE STRENGTH @ 28 DAYS MIN. PSI (MPa)	WATER RETENTION MIN. %	AIR CONTENT MAX. %
Portland Cement-Lime	S	1800 (12.4)	75	12

STORAGE OF MATERIALS

Store **DESIGNMIX** in such a manner as to prevent deterioration or intrusion of foreign materials. 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 & YIELD

Mix bag contents with the minimum amount of potable water needed to give the required workable consistency. First, place approximately 1 gallon (4 liters) of mixing water in a mechanical batch mixer, then add **DESIGNMIX**. Continue adding water and **DESIGNMIX** to get the appropriate consistency of mortar and quantity needed. Mix for 3–5 minutes. Hand mixing may be permitted by the specifying authority with approved procedures.

One 80 lb bag of **DESIGNMIX** will yield approximately 0.74 cubic feet of mortar. One 3500 lb bag of **DESIGNMIX** will yield approximately 1.2 cubic feet of mortar.

OTHER LIMITATIONS

When ambient temperature or masonry materials or both are below 41°F or above 90°F follow the Masonry Industry Council's Hot & Cold Weather Masonry Construction recommendations. .

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