

USM

Masonry Products

Glass Block Mortar

Commercial Grade Pre-Blended Mortar for Glass Block

DESCRIPTION

USM Glass Block Mortar is a mixture of fine silica sand, masons lime, white cement and polymers for easy installation of glass block. **Glass Block Mortar** is a precision blend that requires only the addition of potable water to produce a solid, high strength, water resistant mortar joint. **Glass Block Mortar** provides aesthetically pleasing joints in both interior and exterior applications.

USES

Glass Block Mortar is ideal for building glass block walls. Due to its enhanced workability, this product is geared toward the professional glass block mason. While it has been designed for the installation of glass block, this product can be used for tuckpointing or wherever a decorative white mortar joint is required.

BENEFITS

- Outstanding Workability: Smooth spreading ability lends itself to a quality finish
- High Bond Strength: Pre-mixed with bonding agent to ensure excellent adhesion
- Decorative: Bright white mortar provides aesthetic finish
- Versatile: One product for both interior and exterior applications
- Consistent - Strict Quality Control testing and standards

STANDARDS

Glass Block Mortar meets and exceeds the requirements of ASTM C-270 for a type S mortar, which is specified by glass block manufacturers.

LIMITATIONS

Do not apply when the temperature is below 40°F (4°C) or when the temperature is expected to fall below 40°F within 24 hours. Setting time will speed up in warm weather and slow in cold weather. For hot and cold weather applications, please contact your technical representative.

YIELD

50 lbs. will fill approximately (36) 6"x6" units or (32) 8"x8" units or (18) 12"x12" units with a 1/2" mortar joint.

SURFACE PREPARATION

All surfaces in contact with **Glass Block Mortar** shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. Take special care to clean the glass block itself to ensure a strong bond. Proper anchoring, wire reinforcing, expansion strips and waterproofing must be provided. Read glass block manufacturer instructions completely for specific installation instructions before proceeding. Refer to local building codes for proper location of expansion joints, expansion strips and reinforcing materials.

MIXING

For best results, use a mechanical paddle type mixer. Pre-wet mixer and empty excess water. Place 5 quarts of cool, clean, potable water per 50 lb. bag in mixer, then add dry material. Mix on low RPM for a total of 3-5 minutes to achieve desired consistency. Mix only enough material that can be placed within working time. Do not blend excess water as this will cause bleeding and segregation. Do not use any other admixture or additives.

PLACING

Apply **Glass Block Mortar** with a brick trowel using a full bed of mortar with no furrowing. Follow block manufacturers recommendations for detailed installation instructions.

STORAGE/SHELF LIFE

Normal cement storage and cement handling practices should be observed. Store material in an interior cool, dry place. Shelf life is one year in original, up-opened container.

04200

MORTAR FOR MASONRY UNITS

Packaging: 50 lb. bag, 63 bags per pallet

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PHYSICAL PROPERTIES

Compressive Strength (ASTM C-109)

	1 DAY	3 DAYS	7 DAYS	28 DAYS
ASTM C-270 Type S				1,800 psi 12.40 MPa
Glass Block Mortar	800 psi 5.51 MPa	1,000 psi 6.89 MPa	2,000 psi 13.78 MPa	2,200 psi 15.16 MPa

Water Retention (ASTM C-91)

	28 DAYS
ASTM C-270 Type S	75% Minimum
Glass Block Mortar	80%

Air Content (ASTM C-91)

	28 DAYS
ASTM C-270 Type S	12% Maximum
Glass Block Mortar	3.2%

Rate of Set (ASTM C-266)

INITIAL	FINAL
2:45	5:30

REGULATORY

Read and follow application information, precautions and Material Safety Data information.

Right to know

This product contains Portland Cement (CAS #65997-15-1) and Crystalline Silica (CAS #14808-60-7).

HMIS

Health 1, Fire 0, Reactivity 0

Prop 65

Warning! This product contains Crystalline Silica, a chemical known by the State of California to cause cancer or reproductive toxicity.

VOC Content

0 g/L

CAUTION

EYE AND SKIN IRRITANT

Contains Portland Cement (CAS #65997-15-1) and Crystalline Silica (CAS #14808-60-7). Do not allow contact with eyes or skin. Avoid breathing dust - Silica may cause serious lung problems. There is limited evidence silica is a carcinogen. The use of gloves, goggles, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention

TECHNICAL SERVICE

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NOTICE OF LIMITED WARRANTY US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.

LIMITATION OF WARRANTIES AND LIABILITY Buyer assumes all risks associated with the use of this product. Manufacturer expressly disclaims all warranties expressed or implied including the warranties or merchantability and fitness for a particular purpose and all other warranties otherwise arising by operation of the law, course of dealing, custom, trade or otherwise. Buyer's exclusive remedy if this product is proven to be defective is limited to refund of purchase price by the manufacturer. Refund shall only be available if the buyer notifies manufacturer in writing within thirty days following discovery of any defect. Written notice shall be forwarded to 112 S. Santa Fe Drive, Denver, CO 80223. No claim can be made twelve months after purchase of product. Twelve months after the purchase manufacturer's duties with the respect to the product and limited warranty shall be presumed to have been satisfied. Manufacturer in no event is liable for consequential damages.