

Glass Block Mortar

PRODUCT DESCRIPTION

Amerimix Glass Block Mortar is a mixture of fine silica sand, masons lime, white cement and polymers for easy installation of glass block. Amerimix 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. Amerimix Glass Block Mortar provides aesthetically pleasing joints in both interior and exterior applications.

MANUFACTURER

US MIX Co.
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Amerimix products are available throughout the US and Canada. For information, please contact Amerimix at 888-313-0755.

USES

- Building glass block walls
- For tuckpointing or wherever a decorative white mortar joint is required

FEATURES AND 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

PACKAGING

Available in 10 lb (4.5 kg) and 50 lb (22.7 kg) bags.

APPROXIMATE COVERAGE

One 50 lb (22.7 kg) bag of Amerimix Glass Block Mortar will lay approximately (36) - 6" x 6" units or (32) - 8" x 8" units or (18) - 12" x 12" blocks with a 1/2" mortar joint.

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.

SURFACE PREPARATION

- Remove all loose particles, dirt, dust or any foreign materials that would inhibit proper bond to brick, block, stone or masonry substrate
- 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

TECHNICAL DATA

Mortar	Average Compressive Strength psi (MPa) (ASTM C-109)	Water Retention Minimum % (ASTM C-91)	Air Content Maximum % (ASTM C-91)
Glass Block Mortar	28 Days 2200 (15.2)	75	12

JOB MOCK-UPS

The manufacturer requires that when Amerimix Glass Block Mortar is used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the test performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project specific conditions being addressed and standardized tests performed for each proposed system or variation. Approved mock-ups or sample panels should be retained until completion of the project.

MIXING

- Use of a mechanical mixer will help ensure a better uniform mix
- Using clean, potable water, place 5 quarts per 50 lb bag in mixer, then add dry material
- With the mixer running, add bags of dry mortar or dispense from a silo and mix thoroughly
- A minimum of 5 minutes mixing time is recommended
- Add additional water in small amounts as necessary to achieve optimum consistency and workability. Caution: Adding too much water will reduce strength
- Let mix stand for 2 minutes to enable absorption of water and re-mix
- Addition of cold water at high temperature or warm water at low temperatures will aid in adjusting the set time

CURING

- No special curing is required unless temperatures are extremely high
- In hot or windy conditions keep the mortar/stucco damp to promote adequate curing
- Drape plastic over wall to help retain moisture or mist wall in extreme heat or windy conditions
- Keep from freezing for at least 24 hours

CLEANING

Use water to clean all tools immediately after use. Dried material may need to be mechanically removed. For cleaning mortar joints, use the least aggressive solvent to accomplish the task. Only clean, potable water should be used in the cleaning process.

STORAGE

Store in a tightly closed container off the floor in a dry place.



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LIMITATIONS

- The type of mortar selected should be coordinated with the type of application, type of masonry units and intended use. Mortars with lesser compressive strength should be used with softer masonry units or tuck pointing applications
- The optimal temperature range for mortar application is between 40 and 90 degrees. Application outside of this range is possible when appropriate precautions for cold or hot weather construction are implemented in compliance with ACI, PCA, ASTM, IMIAC or Masonry Institute Standards
- Agitate material as necessary within its working time to maintain workability
- Do not add materials other than clean, potable water
- Water with a high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond the control of Amerimix
- Do not overwater. Avoid adding excessive amounts of water that promote segregation or bleeding of the mortar and loss of strength and durability
- Protect uncoated aluminum from direct contact with portland cement based materials
- Only water lost to evaporation should be replaced by re-tempering, not water lost to hydration. The re-tempering of mortar will alter color and appearance of the mortar joint and may also reduce bond and compressive strength
- Concave tooling of joints should be performed when mortar joint is thumbprint hard. For consistency of finish and color, joints should be struck with consistent timing, avoiding early or late tooling
- Shelf life not to exceed one year from date of manufacture
- Not to be used as grout as grout for traffic bearing surfaces

NOTE: Amerimix Glass Block Mortar should be installed in accordance with the provisions of applicable ASTM standards and the local building code. Always follow industry best practices appropriate for the application and weather conditions. Good workmanship in conjunction with proper design and detailing assures durable, efficient water-tight construction.

SUSTAINABILITY

Amerimix products generally qualify for LEED Materials and Resources credits for Recycled Materials and Regional Materials. Visit www.usmix.com or contact Technical Services, 800-397-9903, for additional information regarding LEED qualifications for your specific product application and project location.

SAFETY

READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING THIS PRODUCT. MSDS Sheets are available on our website www.usmix.com.

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 to 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.

ENVIRONMENTAL ADVISORY

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

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.