

PRODUCT DESCRIPTION

Akona® White Glass Block Mortar is a specially formulated blend of select white silica sands, white cement, and workability agents which result in an excellent handling, high-strength mortar. It is designed for installing glass block windows, shower and bath walls, or masonry units where a white mortar is desired. This product is suitable for both interior and exterior applications.

WHEN/WHERE TO USE

- Interior and exterior
- Glass block windows
- Glass block shower and bathroom walls
- White mortar for brick, block, and stone

ADVANTAGES

- High-strength white mortar
- Easy workability
- Minimize shrinkage in joints
- Multi-purpose mixture
- Mix with water or bonding additive

AVAILABLE SIZE

- 50 lb. (22.7 kg) bag (BOM #102627)

YIELD

- 50 lb. bag will yield approximately ½ cu. ft. (14.2 dm³) of wet mortar

Approximate Quantity Required to Lay 100 sq. ft. (9.3 m ²) of Glass Block	
Glass Block Size	Package Size
	50 lb. (22.7 kg) bag
12"	6
8"	8
6"	11

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

Helpful Items:



Bonding Agent

Pail

Gloves



Safety Glasses



Hand Mixer



Level



Trowel

TECHNICAL DATA

Typical Results		
	Test Results	ASTM C270 Requirements
Compressive Strength @ 28 days	1350 psi (9.3 MPa)	750 psi (5.1 MPa)
Water Retention	86%	75% minimum
Air Content	10.5 %	12% maximum

PREPARATION

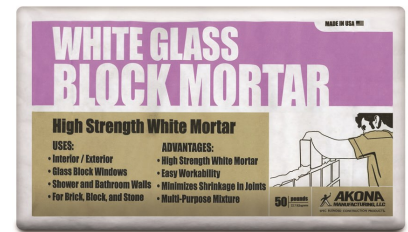
Read all directions before starting work. When laying glass block, concrete block, or stone, be certain footings are sound and adequate to support the weight load. When repairing mortar joints, remove all loose or unsound materials. Thoroughly clean all surfaces and substrates of dirt, dust, grease or other contaminants. ALWAYS PRE-WET SURFACE JUST PRIOR TO APPLICATION.

MIXING

Add approximately 1 gal. (3.79 L) of clean, cool water per 50 lb. (22.7 kg) of powder. Always add powder to liquid to avoid lumps. Use clean tools and mixing containers.

For exterior application: To gain improved adhesion and durability on exterior applications, it is advisable to dilute 2 parts Akona Concrete Bonding Additive (sold separately) with 1 part water. Use this diluted mixture as the mixing liquid in place of water alone.

Approximate liquid requirements
50 lb. (22.7 kg) bag
7-8 pt. (3.3-3.8 L)



Mix complete contents of the bag or pail in a wheel-barrow, bucket, mortar box or mechanical mixer. Mix product thoroughly to achieve a uniform, lump-free, putty-like consistency. Mortar should be firm, but workable to be trowelable, and stiff enough to retain ridges and peaks when troweled on a horizontal or vertical surface. Avoid high speed mechanical mixing which can entrap air into the mixture. If required, add additional water sparingly, excess water reduces strength and can cause cracking. If the product becomes firm before application, re-mix but do not add additional water. Do not add accelerators or retarders. Working time will be approximately 1 hour.

APPLICATION

For best results, apply only to surfaces that are frost free and between 40°-100°F (4°-38°C) within 24 hours of application, and 72 hours thereafter. For exterior use, do not apply in direct sunlight on hot, windy days or when rain is expected within 24 hours. Clean up with soap and warm water as soon as application is completed. Protect the surface from use until mortar is completely hard and set.

Glass Block: For placing and setting glass block, follow the installation instructions provided by the block manufacturer.

Stone: For placing and setting natural and manufactured stone, follow the installation instructions provided by the stone supplier.

Brick & Block: This product can be used as a white mortar to set masonry units. When laying block or brick, apply a bed of mortar onto the base/footing at approximately ½ in. (13 mm) to ¾ in. (19 mm) thick with a trowel. Apply mortar



WHITE GLASS BLOCK MORTAR

Excellent handling, high-strength glass block mortar

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to units. Install the masonry units in a running bond pattern. Push masonry unit into the mortar bed and press against the previously laid unit to ensure full contact and adhesion. Follow brick or block manufacturer's instructions for further details.

CLEAN UP

Typically water will satisfactorily clean tools after using. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools. Hardened material requires mechanical removal

FOR BEST RESULTS

- Rubber gloves and goggles are recommended safety equipment
- Mix with clean potable water or a liquid bonding additive
- Use only clean mixing container and tools
- Store in tightly closed container off the floor in a dry place

Proper application and installation of all AKONA products are the responsibility of the end user.

WARNING

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. KEEP OUT OF REACH OF CHILDREN.

WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

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.