



GLASS BLOCK MORTAR

PRODUCT NO. 1610

DIVISION 4

Masonry Mortaring
04 05 13

PRODUCT DESCRIPTION

QUIKRETE® Glass Block Mortar is a white Portland cement based mortar suitable for glass-block masonry construction.

PRODUCT USE

QUIKRETE® Glass Block Mortar is used for laying glass block for both interior and exterior walls. It can also be used for tuck-pointing, stucco, or other decorative applications where white mortar would be appropriate. Glass Block Mortar consists of a uniformly blended mixture of white sand, cement, lime, and chemical additives designed to provide a decorative, waterproof joint.

SIZES

• QUIKRETE® Glass Block Mortar - 50 lb (22.7 kg) bags

YIELD

• See Table 1

TABLE 1

Block size	Number of bags ¹
6" (150 mm)	10
8" (200 mm)	7
12" (300 mm)	5

¹ Number of 50 lb (22.7 kg) bags of QUIKRETE Glass Block Mortar required per 100 sq. ft. (9.3 m²) of wall

TECHNICAL DATA

QUIKRETE® Glass Block Mortar exceeds ASTM C 270 and C 1714 property requirements for Type S Mortar achieving a compressive strength in excess of 1,800 psi (12.4 MPa) at 28 days.

INSTALLATION

SURFACE PREPARATION

All framing, pocket recesses and chases must be accurately positioned and clean. Glass block must also be properly cleaned for best bond. Follow the instructions of the glass block manufacturer for best cleaning method. Coordinate the placement of anchors and glass block reinforcing bars and mark their positions. Expansion strips placed at the head and jambs should be held in place with a construction adhesive, such as QUIKRETE® Polyurethane Construction Adhesive #9902-10. Allow to dry before block installation.

MIXING

Thoroughly mix QUIKRETE® Glass Block Mortar with clean water to a stiff plastic like consistency. Use 4–5 quarts (3.8–4.7 L) of water per 50 lb (22.7 kg) bag. Mix thoroughly for about 5 minutes. Stir material occasionally to keep mix workable; however, no additional water should be added. QUIKRETE® Acrylic Fortifier #8610, diluted 1:1 with



water, may be added in the place of water to ensure better water resistance, a stronger bond, improved curing, and less shrinkage.

APPLICATION

Place a full bed of mortar onto the base or sill. Set the first course of glass blocks into the mortar. Adjust the blocks with a level to ensure straight lines upon completion. Tap blocks into place with a rubber mallet. Do not place QUIKRETE® Glass Block Mortar between glass blocks and expansion strips. Use a trowel to create recessed joints as work progresses. Follow the instructions of the glass block manufacturer for proper placement of anchors and spacers. With the proper use of spacers, it will be much easier to keep blocks level and ensure a more professional finished wall. Panel anchors and reinforcing bars should be spaced every 24" (610 mm) vertically between glass blocks. The panel anchor is fastened through the expansion strip and into the jamb. Bend panel anchor horizontally into the joint and place reinforcing bars continuously from one side to the other. Apply half width of mortar into the joint and position reinforcing bars into mortar. Apply remaining mortar and lay the next course. Do not bridge expansion joints with panel reinforcing. Tool, rake, or finish joints before mortar reaches a final set.

CLEANING

Use a damp cloth to remove all excess mortar from the surface of glass blocks before the mortar hardens. Polish off remaining mortar residue with a clean, dry, soft cloth.

CURING

Curing of masonry mortars is required only if conditions are very hot, dry or windy. In such cases, a gentle mist of water applied to the surface will prevent premature drying and improve the strength of the mortar.

PRECAUTIONS

Mix only with clean water. Under extreme weather conditions, appropriate cold-weather and hot-weather precautions should be followed.

WARRANTY

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a

claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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