GLASS BLOCK MORTAR
Pre-Mixed Mortar

SGM Glass block mortar is a factory blend of white Portland cement, graded silica and propriety additives formulated for the installation and repair of glass blocks

- interior
- Exterior
- Residential
- Commercial

MANUFACTURER:

SGM, Inc.
1502 SW 2nd Place
Pompano Beach, FL 33069-3220
(800) 641-9247
(954) 943-2288
Fax: (954) 943-2402
www.sgm.cc
sales@sgm.cc

TECHNICAL DATA:

APPLICABLE STANDARDS

American Society for Testing and Materials (ASTM)
Conforms to requirements for Type M Mortar. Meets ASTMC-270 specifications.
Our material is tested and certified by independent laboratories. All data is given in good faith, however, we reserve the right to change products and specifications without notice. SGM advises interested parties to satisfy themselves as to the accuracy of any data and seek certification if appropriate.

INSTALLATION:

SURFACE PREPARATION:
Insure that all framing, pocket recesses or chassis are in place, clean and ready to receive glass block. Clean all sides of glass block to permit a good mechanical bond. Consult glass block manufacturer's literature for placement of anchors, reinforcing and expansion strips. All panels and sills covered with asphalt emulsion must be cured a minimum of 2 hours before first mortar bed is placed. Glass block panels shall not be designed to support structural loads. Maximum deflection of structural members shall not exceed L/600.

Provision for expansion and movement joints must be made at jambs and headers of all panels. Do not allow glass block mortar to bridge expansion or movement joints. The design and installation of glass block shall be done using whole units since the cutting of glass block is not recommended. Note: not for use with glass tiles.

Accessories for installing glass block units:
The following additional materials may be required to successfully complete the installation of glass block units. Consult glass block unit manufacturer before installation commences.
- Panel reinforcing
- Panel anchors
- Expansion strips
- Asphalt emulsion
- Sealant
- Packing (backer rods)
- Channels (aluminum)

WARNING:

Product is alkaline on contact with water. Use paddle for mixing to avoid splashing into eyes or contact with skin. During mixing or application avoid contact with eyes. In case of such contact, flood eyes repeatedly with water and CALL PHYSICIAN. Wash thoroughly after handling and before smoking or eating. Do not take internally. CONTAINS FREE SILICA DO NOT BREATHE DUST. Prolonged exposure to dust may cause delayed lung disease (Silicosis). Wear NIOSH approved mask for silica dust. ALL PORTLAND CEMENT BASED PRODUCTS MAY CONTAIN DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. THIS IS IN COMPLIANCE TO PROPOSITION 65.

MIXING:

Add Glass Block Mortar powder to approximately 1 ½ gal (5.7 L) cool, clean potable water per 50lb (22.7Kg) bag. For added water resistance and greater adhesion, the use of Southcrete 25 acrylic mortar admix in lieu of water is suggested. Machine mixing with a slow speed drill and mixing paddle is preferred (250-350 RPM).
Higher speeds are not recommended and will entrain air. Mix the two components together thoroughly until smooth. The proper consistency is obtained when the mortar is applied with the notched trowel to the substrate and the ridges formed do not flow or slump. Allow mortar to slake for 5 minutes, and then remix before use. Do not add any additional water, latex or powder after the mortar has slaked.

Re-mix mortar occasionally during use and discard after initial set in bucket.

APPLICATION:

Apply a full mortar bed to base or sill, do not furrow mortar. Set lower course of block while maintaining a uniform joint width of ¼" (.635cm) to 3/8" (.635cm) plus or minus 1/8" (.3175cm) inch. Tap blocks into place with rubber mallet to insure a good bond. Steel tools must not be used to tap blocks into place. Use only wooden or rubber tipped tools for tapping glass blocks into place. Do not realign, tap or move block after initial placement. Install reinforcing panel in the horizontal mortar joints and below all openings with panels. Run reinforcing continuously from end to end of panels. Lap reinforcing not less than 6" (15.24cm) whenever necessary to use more than one length. Set succeeding courses of glass block. Spaces at head of panel and jambs must remain free of mortar for caulking with sealant. Strike (rake) joints smooth while mortar is still plastic and before final set. Remove the surplus mortar from face of glass blocks and wipe dry.

CLEANING:
Use water to remove uncured mortar. Remove excess mortar from both glass block and tools before mortar hardens. Use of damp clean sponge or soft cloth is recommended.

CURING:
Minimum cure is reached in 48-72 hours. Curing may vary according to atmospheric conditions.

COVERAGE:
6" (15cm) Blocks-45 blocks per 50lb (22.7Kg) bag of glass block mortar.
8" (20cm) Blocks-35 blocks per 50lb (22.7Kg) bag of glass block mortar.
12" (30cm) Blocks-20blocks per 50lb (22.7Kg) bag of glass block mortar.

SHELF LIFE:
Up to one year from date of manufacture in unopened properly stored container.

AVAILABILITY & COST:

Availability: SGM, Inc. has manufacturing and distribution inventory facilities throughout the United States and abroad, allowing for timely deliveries. Contact SGM, Inc. for local availability. **Packaging:** Multi-ply, heavy-duty lined bag, net wt. 50 lb. (22.7kg). **Cost:** Glass block mortar is competitively priced. For specific price information, contact SGM, Inc.

WARRANTY:

SGM Inc. warrants this product will perform in accordance with its intended use for a period of one year from the date of manufacture. Any claim for defective product must be submitted in writing to SGM Inc. and samples of defect must be provided. SGM Inc. sole obligation will be to replace any product determined to be defective by SGM Inc. EXCEPT AS PROVIDED HEREIN, SGM INC. MAKES NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, INCLUDING ANY WARRANTY OF MERCHANTIBILITY OR FITNESS FOR PARTICULAR PURPOSE. IN NO EVENT SHALL SGM INC. BE LIABLE FOR DAMAGES OF ANY KIND OR NATURE, WHETHER ARISING BY CONTRACT, TORT OR OTHERWISE. SGM INC.'S SOLE OBLIGATION WILL BE TO REPLACE ANY PRODUCT DETERMINED BY SGM INC.TO BE DEFECTIVE.

MAINTENANCE:

None required.

TECHNICAL SERVICES:

Technical assistance, including more detailed information, product literature, test results, project list, samples, assistance in preparing project specifications and arrangements for job site inspection and supervision, is available by contact Technical Services Department.

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ts@sgm.cc

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