



VISON GLASS

BLOCK MORTAR

Dry Set Mortar For Glass Blocks

Product Name: VISON GLASS BLOCK MORTAR

Manufacturer: Vison Tech Products LLC

Product Description:

VISON Glass Block Mortar is a precise blend of Portland cement, lime and aggregates mixed with other additives to provide a durable waterproof joint. Vison Glass Block Mortar is suitable for all glass-block masonry construction.

Packaging

COLOR: White.

TEXTURE: Powder consisting of Portland cement, graded silica sand, organic and inorganic chemicals

PACKAGING: 50 lbs. Multi-wall bags.

Basic Use:

VISON Glass Block Mortar is used for laying glass block for both interior and exterior walls. The mortar 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.

Key Benefits and Features

Vison Glass Block Mortar is resistant to mold growth. It can be used for tuck pointing and is ideal for new glass block interior or exterior applications.

Limitations

This product is not recommended for surface prone to flexing, vibration or movement. Do not apply over weak or unsound surfaces. Not recommended as a wear surface. For product installations, temperature of area to be leveled must remain above 50°F (10°C) for 72 hours. Under extreme weather conditions, appropriate cold-weather to prevent mortar from freezing for the first 72 hours and elevated/hot-weather damp mist will be necessary to prevent rapid water dry out.

Applicable Standards

VISON Glass Block Mortar meets ASTM C 144, C150, C207 and exceeds ASTM 270 property requirements for Type "S" Mortar

General Surface Prep

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 corrosion-resistant anchors and glass block reinforcing bars and mark their positions. Expansion strips placed at the head and jams should be held in place with a construction adhesive (reference glass block manufacturer's recommendation for appropriate polyurethane construction adhesive). Allow expansion strip and adhesive to dry before block installation

Expansion Joints

Install expansion joints around all perimeters or restraining surfaces where possible to allow for expansion movement. Expansion joints shall be installed in accordance with local building codes.

Installation:

Mixing

For best results, maintain all materials, substrates and work areas at 50°-70°F (10-21°C) for 24 hours before and 72 hours after installation. In a clean container, add 50 lbs. (22.68 kg) VISON GLASS BLOCK MORTAR to 4-5 quarts (3.8-4.7 L) clean, cool water. Blend VISON GLASS BLOCK thoroughly for about 5 minutes. Stir material occasionally to keep mix workable; however, no additional water should be added. Vison M4 Latex Admixture liquid, 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. Do not over-water mortar. (A stiffer than mortar-like consistency is recommended as glass block will not absorb water like a typical CMU). Do not re-temper the mortar.

Application

Prepare sill per glass block manufacturer's specifications. Place a full bed of fresh mixed 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 VISON Glass Block Mortar between glass blocks and expansion strips. Use a trowel to create recessed joints as work progresses. Follow the instruc-

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tions 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. Reinforcing bars and panel anchors should be spaced every 24" (610 mm) vertically between glass blocks. The panel anchors are fastened through the expansion strip and into the jamb. Bend panel anchors 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 the mortar. Apply additional mortar and lay the next course. Maintain a uniform joint width of 1/4 - 3/4 inch. Use only wooden or rubber tipped tools when tapping glass blocks in place. Do not realign, tap or move block after initial placement. Set succeeding courses of glass block. Space at head of panel and jambs must remain free of mortar for caulking. Do not bridge expansion joints with panel reinforcing. Tool, rake, or finish joints before mortar reaches a final set. Refer to the glass block manufacturer's specifications for recommended installation instructions.

Coverage

Per 50 lbs. (22.7 kg) bag will lay approximately:

36 - 6 inch block with $\frac{3}{8}$ inch joint.

32 - 8 inch block with $\frac{3}{8}$ inch joint.

18 - 12 inch block with $\frac{3}{8}$ inch joint.

0.42 ft.³/50 lbs.

Working Time

Approximately 2 hours, depending on ambient temperature.

Cleaning

Clean tools, hands, and excess materials from face of tile, while mortar is still fresh, with warm soapy water. 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. Remove surplus mortar from the faces of the glass block at the time joints are struck or tooled. Mortar should be removed while it is still plastic using a clean, wet sponge or an ordinary household scrub brush with stiff bristles. Never use a wire brush to remove mortar from glass block surfaces. To remove the dry powder or stains from the glass surfaces, use a clean, dry, soft cloth or stiff nylon scrub pad.

Curing and Grouting

Cold temperatures or high humidity may extend curing time. Curing of masonry mortars is required only if conditions are very hot, dry or windy. In such cases, a gentle fine mist of water applied to the surface will prevent premature drying and improve the strength of the mortar. Protect from direct sunlight, wind, rain and frost during curing period.

Specifications: Technical Data

Test	Requirement	Typical Values
Bucket life @ 70°F	-	2 hrs.
Compressive Strength (PSI) ASTM C-109 1800 psi (12.4 MPa) at 28 days ASTM C 270	1800 Type "S"	1800

Storage Life

One year if kept dry in sealed bag.

KEEP OUT OF REACH OF CHILDREN

Warranty

Vison Tech warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Vison Tech's sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Vison Tech's printed instructions. Vison Tech makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another.

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