



8500 Glass Block Mortar

DS-291.0-1216

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

8500 Glass Block Mortar

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

8500 Glass Block Mortar is a high-strength, factory-prepared mortar for installing glass block. Economical and easy to use, 8500 Glass Block Mortar is recommended for interior and exterior use. It eliminates job site blending and provides a factory controlled mix for high performance.

Uses

- Pre-fabricated panels
- Normal "In-situ" installations
- Glass block spacer systems

Advantages

- High strength, permanent bond
- Frost proof, shock and weather resistant
- Smoother finish joints
- Reduces moisture penetration and wind driven rain through mortar joint
- Saves time and labor
- Resists cracking and powdering
- Factory blended, easy to use

Packaging

50 lb (22.7 kg) bag; 54 bags per pallet

Coverage

Number of bags required per 100 ft² (9 m²) for a 3 7/8" (10 cm) wide nominal block:

Square 6" (15 cm) block—14 bags

Square 8" (20 cm) block—10.5 bags

Square 12" (30 cm) block—7 bags

Based on a 1/4" (6 mm) exposed mortar joint

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures >32°F (0°C) and <110°F (43°C).

Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick, and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).

Cautions

- During cold weather, protect finished work until fully cured.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standard

When mixed with 333 Super Flexible Additive, 8500 Glass Block Mortar exceeds the ASTM C270 compressive strength requirement test for Type M Masonry Mortar. When mixed with water it meets the requirement for ASTM C270 Type S Masonry Mortar.



This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

Physical Properties

Compressive Strength, 28 days (ASTM C109 at room temperature and 50% R.H.)	>3000–3700 psi (24.1–25.2 MPa)
Hardness, 1 day: D-Shore (ASTM D–2240)	>75
Pot Life @ 70°F (21°C)	2 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Preparation

Clean all surfaces that will be in contact with mortar. Surfaces must be free of dust, dirt, oil, grease and any contaminants.

Mixing

Place water (or 333 Super Flexible Additive) in clean mixing pail. Add 8500 Glass Block Mortar and mix by hand or with a low speed (150 rpm) drill to a stiff, non-slump consistency. Approximately 4 quarts (3.8 ℓ) of liquid mixes with 50 lbs. (22.7 kg) of powder. Allow to slake 5–10 minutes. Remix and apply as normal mortar.

Note: For interior applications, mix with water. For prefabricated panels, exterior applications and for improved adhesion, mix with 333 Super Flexible Additive.

Application

Place a full bed of mortar on the base or sill. Do not furrow. Set first course of glass blocks and tap into place with a rubber mallet. Apply full bed of mortar to head joints on each block as they are placed. Set each course of glass block in a full mortar bed. Rake or tool joints to a uniform appearance when mortar is firm. Follow manufacturer's instructions regarding anchors, spacers, expansion joints, reinforcements and wall ties.

Cleaning

Remove all excess mortar from surface of glass blocks using a damp sponge or cheese cloth before mortar hardens. Clean tools with water while mortar is wet.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For Distributor information, call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line Distributor information, visit LATICRETE at

www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

DS 236.0: 9235 Waterproofing Membrane

DS 266.0: 333 Super Flexible Additive

DS 663.0: HYDRO BAN®

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