



# 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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Bethany, CT 06524-3423 USA

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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 ft<sup>2</sup> (9 m<sup>2</sup>) 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](http://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](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://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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