

## Glass Block Mortar

### PRODUCT DESCRIPTION

C-Cure GLASSBLOCK mortar is a factory prepared blend of Portland cement, lime, graded silica aggregates and chemical modifiers for the easy installation of glass block.

#### ▶ BASIC USE

C-Cure GLASSBLOCK requires only the addition of water to produce a dense, water resistant, high strength, aesthetically pleasing mortar joint for the installation of all types of interior or exterior glass block panels.

In lieu of water, one of C-Cure's CURECRYLIC admixtures may be used to further improve the bond strength and provide higher density and resistance to thermal shock.

#### ▶ LIMITATIONS

Install mortar in a temperature range of 40°F to 90°F (4°C to 32°C). Do not allow to freeze for the first 72 hours.

#### ▶ APPLICABLE STANDARDS

Meets ASTM C-270, Type M Mortar.  
Color — White; special colors on request.  
Texture — Powder consisting of Portland cement, graded aggregate, organic and inorganic chemicals.

#### ▶ PACKAGING

50 lb. (22.7 kg) multi-wall bags.

### INSTALLATION

#### ▶ PREPARATORY WORK

Surfaces must be dry and free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter. Adjacent or abutted surfaces must be dry, structurally sound and not subject to temperatures below 40°F (4°C) or above 100°F (38°C). Proper anchoring, wire reinforcing, expansion strips and waterproofing must be provided. Read *Glass Block Manufacturers* specific installation instructions before proceeding. Refer to architect specifications, local building codes or acceptable trade practices for proper location of expansion joints, waterproofing sealants, reinforcing and expansion strip materials.

#### ▶ MIXING

Mix one 50 lb. (22.7 kg) bag of C-Cure GLASSBLOCK mortar with 4 to 4½ qts. (3.8 to 4.25 L) of clean cool water. As an alternative, use CURECRYLIC 938 admixture or a solution of CURECRYLIC PREMIUM 939 diluted 1:1 with water. Always add the powder to the liquid and mix to a stiff non-slump consistency. Avoid using high speed drill mixing. Mechanical mixers should not exceed 150 rpm.

Let the mixed mortar set undisturbed for 5 - 10 minutes, then restir. Adjust the mix at this time only with additional water or powder to achieve the proper working characteristics. Pot life is approximately 2 hours, discard any mortar that cannot be restirred. Addition of water after the initial set will weaken the mortar.

#### ▶ APPLICATION

Apply a heavy coat of water-based asphalt emulsion to sill area to be covered by mortar. Adhere expansion strips to jams and head using asphalt emulsion or waterproof adhesive. When the asphalt emulsion of the sill is dry, apply the full mortar bed joint.

Set lower course of block. All mortar joints must be full and not furrowed. Tap blocks into place with a rubber mallet. Do not use metal tools.

Next, place mortar in the lower half of the bed joint and press, reinforcing into place. Then cover the upper half of the mortar bed and trowel smooth. Do not furrow joints. All reinforcing must run from end to end of panels and must lap 6" (15 cm) for sections of insufficient length. Never bridge an expansion joint strip with panel reinforcing or GLASSBLOCK mortar.

Place subsequent courses of block in the same fashion. Use spacers if necessary to assure even joint spacing. Rake or tool joints smooth while the mortar is still plastic before mortar hardens.

#### ▶ CURING

A minimum cure is obtained after 24 hours. For best results, a 72 hour damp cure is recommended. When using one of the CURECRYLIC admixtures, damp curing is not required. As with any Portland cement mortar, strength increases with age during the first 28 days.

#### ▶ CLEAN-UP

Remove surplus mortar as joints are tooled, before mortar has hardened. Use a damp sponge or trowel. After 15 - 20 minutes, polish any haze with soft dry cloth.

## GUARANTEE

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# GlassBlock 915

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### GLASSBLOCK 915 TECHNICAL DATA

TEST	TYPICAL VALUES
A. Bucket Life @ 75°F (24°C)	2 Hours
B. Compressive Strength ASTM C-109	7 Days 28 Days 2500 psi (176 kg/cm <sup>2</sup> ) 3100 psi (218 kg/cm <sup>2</sup> )
C. Safety—CAUTION: Contains Portland cement, sand, and lime. Avoid eye contact and prolonged skin contact. Avoid breathing dust. Use a NIOSH approved dust mask. If eye contact occurs, flush eyes with water for at least 15 minutes. Consult physician. Wash thoroughly after handling.	
KEEP OUT OF REACH OF CHILDREN.	
D. Storage Life—One year if kept dry in unopened bags.	

### COVERAGE

PRODUCT	GLASS BLOCK PER 50 LB. (22.7 KG) BAG		
	12" (30 mm) Block 1/2" (13 mm) Mortar Joint	8" (20 mm) Block 1/2" (13 mm) Mortar Joint	6" (15 mm) Block 1/2" (13 mm) Mortar Joint
GLASSBLOCK 915	18	32	36

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