



# GLASS BLOCK MORTAR

◆ The Pro's Choice Since 1936



Sakrete® Glass Block Mortar is a quality mixture of white cement, lime, sand and special additives. Designed to provide a water resistant mortar for use in constructing both interior and exterior glass block walls. Can also be used where a white mortar joint is desired.

## Features:

- High Strength >1,800 psi
- Meets property requirements of ASTM C 1714 and ASTM C 270
- Ideal for projects requiring structural strength for brick and block foundations.
- Applications from 1/4" to 1/2" (6 - 12 mm)
- Can be color pigmented with the Sakrete Cement Colors

## Use For:

- Laying brick, block or stone
- Scratch and brown coat
- Above and below grade applications
- Masonry parge or finish coating
- Interior or exterior
- Brick and block tuck pointing

## Yield/Water/Coverage:

Bag Size	Yield: For laying glass block	Bag Yield	Water
50 lb (22.6 kg)	Will lay 35 = 6" (152 mm) glass block, 31 = 8" (200 mm) glass block or 17 = 12" (300 mm) glass block with 3/8" (9 mm) mortar joints	0.5 ft <sup>3</sup> (0.014 m <sup>3</sup> ) per bag	3.5 qt (3.3 L)

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage.

## Technical Data:

Mortar should be tested in the field by ASTM C780, standard test method for preconstruction & construction evaluation for mortar for plain & reinforced unit masonry. Due to the procedure differences between ASTM C270 & ASTM C780, the compressive strength values resulting from field sampled mortar are not required nor expected to meet the minimum compressive strengths of the property specifications of ASTM C270 as tested in controlled laboratory conditions.

DIVISION 4  
Masonry Mortaring – 04 05 13

## COLOR:

White

## Preparation/Application:

For best results all materials should be stored between 40°F (4°C) and 80°F (27°C) 24 hours prior to installation.

Refer to:

- ACI 530.1 Specification for Masonry Structures
- International Masonry Industry All-Weather Council (IMIAC)
  - o Recommended Practices and Guild Specifications for Cold Weather Masonry Construction
  - o Recommended Practices and Guide Specifications for Hot Weather Masonry Construction

## Glass Blocks:

1. Clean glass block surfaces that will receive the mortar to assure a proper bond. Follow glass block manufacturer's recommendation for proper cleaning method.
2. Properly plan the placement positions of the glass block anchors and reinforcing bars marking their positions.
3. Expansion strips should also be placed at the head and jams with an adhesive and allowed to dry prior to the start of the installation.
4. Place a full bed of mortar onto the base or sill where the glass blocks will be laid.
5. Butter the glass block end's with mortar before placing into the full bed of mortar.
6. Tap the glass blocks into place with a rubber mallet while leveling.
7. Follow the glass block manufacturer's recommendation for placement of anchors and spacers. The spacers will help to keep the blocks level and result in a more professionally finished looking wall.
8. Tool, rake, or finish joints before mortar reaches its final set.

## Brick or block placed on footings:

1. When laying brick or block, construct a sound footing below the frost line. Consult with your local building codes before proceeding. For more information visit sakrete.com
2. Remove all loose particles, dirt, dust or any foreign materials that would inhibit proper bond to brick, block, stone or masonry substrate.
3. Certain conditions may require the substrate to be SSD (surface saturated dry) conditioned such as dry windy climates, porous substrates, or high temperatures.
4. Apply a full bed of mortar onto the base where the brick or block will be placed.
5. When laying brick or block butter the end with mortar before placing into the full bed of mortar.
6. Tap into place while leveling.
7. Tool joints once the mortar has set up enough and is thumb print hard.

## Tuck Pointing:

1. Place mortar into the joint with a tuck pointing trowel.
2. Use the tuck pointing trowel to tool the joint and compact for a tight neat appearance.

## Scratch/Brown/Stucco:

1. Application over masonry must follow ASTM C926 Standard Specification for Application of Portland Cement Based Plaster.
2. Applications over lath must follow ASTM C1063 Standard Specification for Installation of Lathing and Furring to receive interior and exterior Portland cement based plaster.
3. Apply material using a trowel and masonry hawk using enough pressure to compact the material.



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4. Texture stucco to match the surrounding area using a plasterer's trowel or finish to desired texture.

*NOTE: Check with local building code requirements for proper installation guidelines.*

## **Mixing:**

1. Empty contents of Mix into a wheel barrel or mortar pan forming a crater in the center of the dry mix for the addition of clean potable water. Projects requiring multiple bags are mixed much easier with a mechanical mixer.
2. Add clean potable water (see table above for water amounts) or enough to achieve a workable mix. Add additional water if needed. A SOUPY MIX MUST BE AVOIDED.
3. Excess water reduces strength and durability and can cause cracking, dusting or scaling.
4. Re-tempering impairs performance.

## **Curing:**

1. Proper curing is critical for sound results. Curing means maintaining proper moisture and temperature. The material must be kept continuously moist for several days.
2. In hot or windy conditions keep the mortar/stucco damp to promote a proper curing.
3. Drape plastic over the wall to help retain moisture
4. If surface begins to appear dry remove the plastic moisten the surface and replace the plastic.
5. Keep from freezing for at least 24 hours.

## **Can be painted:**

Using an alkali resistant lime proof paint usually after 7 days of the stucco application provided the masonry is dry. Contact paint manufacturer for application recommendations.

## **Precautions:**

Air, mix and substrate temperatures should be between 40°F (4°C) and 90°F (32°C) and no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times.
- Use only clean mixing container and tools.
- Do not over trowel.
- Do not overwater.
- Do not add any materials other than clean potable water or Sakrete Bonder and Fortifier. See Technical Data Sheet for mixing instructions.

*NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.*

## **Safety:**

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).

**KEEP OUT OF REACH OF CHILDREN.**

## **Limited Product Warranty:**

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.



**PROPOSITION 65 WARNING:** This product can expose you to crystalline silica, hexavalent chromium, (other trace metal compounds) which are known to the State of California to cause cancer; and lead, (other trace metal compounds) which are known to the State of California to cause reproductive harm. For more information, to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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