
Venetian Glass

Basic Handling and Mortar Instructions

Storage

- Keep crates in dry storage.
- Do not stack pallets.
- Once crate straps are broken, minimize movement of crate.
- Avoid crates being exposed to the weather for long periods.
- Keep the top of the crates covered with plastic.

Handling

- Keep bricks apart to avoid damage when moving.
- Always stack bricks on their edge not the face.
- Use gloves and avoid using all metal carrying devices to move bricks.
- Ensure the surface of where the bricks are being moved to is clean and dry.

Materials Required for Installation

- Full and half glass brick (cutting brick by means other than water jet is discouraged and unlikely to achieve satisfactory results)
- Glen-Gery Preblended Type S Mortar (Meeting ASTM C270 Type S by property and proportion).¹
- Trowel, level and plumb bob.
- Mechanical mixer.
- Bucket of clean water and cloth for cleaning.
- Weldcrete® untinted, available from Glen-Gery.

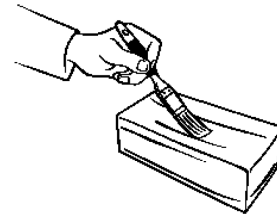
Preparation of Product

- Bricks should be dry and clean with no debris on any of the brick.
- If bricks are dirty, wash clean using water and leave to completely dry before using.
- Examine bricks to ensure there are no cracks or that they are damaged in any way.

Laying of Product

Glass bricks have no water absorption therefore a bonding agent is required to be added to the mortar to ensure adequate bond strength of the brickwork.

- Mortar joints should be 3/8 in. +/- 1/16 in.
- Weldcrete® bonding agent must be added to the mortar to achieve adequate bond strength.
- Add 1 part Weldcrete® to 4 parts mortar mixing water.
- Brush neat Weldcrete® onto all surfaces of the brick that will be bonded by mortar, per manufacturers instructions. Allow at least one hour to dry.



- Brick should be laid in stretcher bond pattern. Engineering advice should be obtained for stack bonded patterns.
- One bedding surface of the brick is slightly concave and has rounded edges. All brick should be consistently laid with this surface either up or down as desired, to achieve a uniform appearance.
- Bricklaying should proceed in the same manner as standard masonry work.
- Install movement joints as required.

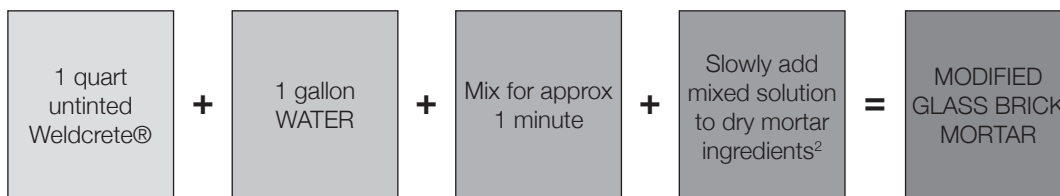
Cleaning

- During installation, use clean water promptly and remove any fresh mortar splashes using a cloth.
- Mortar should not be allowed to dry on the face of the bricks.
- No acid should be used to clean the brickwork.

Maintenance

One of the great advantages in building in Venetian Glass is that it is virtually maintenance free, however, an annual check should be made and a cloth used to clean the surfaces. A standard glass cleaner can be used if required.

Figure 1: Weldcrete® must be added to mortar to achieve adequate bond strength



1. Glen-Gery Color Mortar Blend or other mortars conforming to ASTM C270 Type S by proportion may also be used.

2. Adjust mixed solution amount to achieve a workable consistency.