



GLASS BLOCKS

1. Glass block units are not supporting and should be supported in addition to their own weight. The head of the panel is to be anchored into a concrete or masonry substrate.
2. Openings must be square and perpendicular and the opening dimension must be designed to suit glass block modules. Glass blocks cannot be cut. Use masonry blocks or other parts, multiply the number of blocks by 25mm (1 inch) and then add 10mm (3/8 inch) for the mortar joint. This is the minimum opening requirement. Some mortar openings have been prepared in advance of the glass blocks, or it can be made on site.
3. Glass block units are connected to the surround by reinforced bars being inserted into pre-drilled holes. For panel strength, spaced blocks should be connected to the surround by reinforced bars being inserted into pre-drilled holes.
4. Between the opening and glass blocks it is essential to incorporate expansion joints to the perimeter to allow the panel to expand and contract freely with temperature changes. The expansion joint requires the use of Coluform Vetronix Mortar and Coluform Vetronix Mortar.
5. Glass blocks should not be installed when the surrounding temperature is 5°C and falling or 37°C and rising.
6. Using a standard glass block, the minimum panel size, without intermediate support, is 1900mm x 1900mm. The maximum panel size, with intermediate support, is 1900mm x 2500mm. The maximum panel size, with intermediate support, is 1900mm x 2500mm. The maximum panel size, with intermediate support, is 1900mm x 2500mm.

Accessories - Hammer, expansion bolts.

Construction - Hammer, expansion bolts.

Notes

1. Glass blocks will expand and contract by 2.5mm per 25°C temperature change. Start with a 2.5mm gap between blocks.
2. Glass blocks should be supported by a minimum of 100mm concrete or masonry substrate.
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The data sheet connection detail & construction principles, should be designed and specified to suit project requirements. The data sheet connection detail & construction principles, should be designed and specified to suit project requirements. The data sheet connection detail & construction principles, should be designed and specified to suit project requirements.

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TYPICAL GLASS BLOCK RODS & MORTAR SYSTEM

GBT100 Rev.

Scale 1:7.5 & 1:2