



**GLASS BLOCK CONNECTIONS - GENERAL CONSIDERATIONS**

1. Glass block walls are self-supporting, but need being supported by other walls. The height of the panel to be supported must be determined, whilst ensuring no excessive pressure is placed on the glass blocks.
2. Openings must be square and perpendicular and the opening dimension must be designed to suit glass block modules. Glass blocks cannot be cut to any arbitrary shape or size, and should be cut to suit the opening. The maximum opening width is 100mm and the maximum opening height is 200mm. The maximum opening height is 200mm. The maximum opening height is 200mm. The maximum opening height is 200mm.
3. Glass block walls are connected to the ground by reinforced bars being inserted into pre-drilled holes in the glass blocks. The bars should be made of steel or stainless steel and should be protected from corrosion by a suitable coating.
4. Between the opening and glass blocks it is essential to incorporate expansion joints to the perimeter to allow the panels to expand and contract freely with temperature changes. The expansion joints should be made of a material which is compatible with the glass blocks and the mortar.
5. Glass blocks should not be installed when the surrounding temperature is 5°C and falling or 38°C and rising.
6. Using a structural glass block, the maximum panel size without intermediate support is 1900mm x 2000mm, with no dimension exceeding 600mm in either direction for 1910 and 1940 glass blocks. The maximum panel size permissible in the full line with heat specific panel.
7. Connection details are generally representative in cross-section, either for structural and pressure purposes, or for use as a guide only. The drawings are illustrative only and not necessarily to scale.
8. The chemical, P/E and box section dimensions are illustrative only and not necessarily to scale.

**CONNECTIONS AND DETAILS**

Connection and detail drawings should be designed and specified to suit project requirements and should be checked and approved by the project architect or engineer. **Accessories - Hardware, expansion joints.**

Glass blocks will expand and contract by 2.5mm per 25°C temperature change. Self-expanding mortar should be used to fill the joints between glass blocks. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks.

**GENERAL INFORMATION**

Glass blocks should be installed in a vertical position. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks.

**EXPANSION JOINTS**

Expansion joints should be installed between glass blocks. The joints should be made of a material which is compatible with the glass blocks and the mortar. The joints should be made of a material which is compatible with the glass blocks and the mortar.

**REINFORCEMENT**

Reinforcement bars should be installed in the glass blocks. The bars should be made of steel or stainless steel and should be protected from corrosion by a suitable coating. The bars should be made of steel or stainless steel and should be protected from corrosion by a suitable coating.

**INSTALLATION**

Installation should be carried out in a dry, clean environment. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks.

**APPLICATIONS**

Applications include: walls, partitions, screens, and decorative features. The glass blocks should be installed in a vertical position. The mortar should be applied to the inside of the glass blocks and the mortar should be applied to the outside of the glass blocks.

**CLASSBLOCK TECHNOLOGY**

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The data sheet connection detail & construction principles, should be designed and specified to suit project requirements and should be checked and approved by the project architect or engineer. **Accessories - Hardware, expansion joints.**

All information is accurate to the best of our knowledge at time of data sheet production, however Glass Block Technology Ltd. cannot be held liable in any way for any errors or omissions. Glass Block Technology Ltd. reserves the right to amend or correct changes at any time.

**PRECAST WALL PANELS WITH U CHANNEL CLAMP**

**GBT109 Rev.**

**Scale 1:7.5 & 1:2.5**