



ENLARGED DETAIL 'D'

Guide to Specifying Glass Blacks - General considerations

Glass block walls are self supporting, but not load bearing, in addition to their own weight, they can withst and wind loads, herizental live loads and inpact loads. A lintel provides the head for the panel to be anchored into whilst ensuring no downward pressure in judged on the glass blocks.

3. Glass block walls are connected to the surround by reinfercement bars being inserted into pre-drilled holes for panel anchors). For best integral strength, panels should be installed line a four sided pre-prepared opening. The opening can be timber, brick, steel, concrete or block-work.

5. Glass blocks should not be installed when the surrounding temperature is 5°C and falling or 30°C and rising.

Connection detail principles, should be designed and be specific to each project requirement and calculations checked and qualified by independant structural engineers

Accession—I content assumed to \$2.50m per 25% Inapportune change. Self-espaces in plate seal to increpant self-to the first per 25% Inapportune change. Self-espaces in plate seal to increpant self-to the periodic between the substitute para-sistent or a strated extent plant. For the band plane of an apport, from thick included the periodic plant of the periodic plant of the periodic plant of the periodic plant between the fase in used. This is a violat separation from. The increased apposition plant between the fase in used to the periodic plant plant periodic plant plant plant plant periodic plant plant plant periodic plant plant plant periodic plant plant plant plant periodic plant plant plant plant plant periodic plant pla

### Joint sizes and spacer pegs.

### Panel reinforcement and tying back to the perimeter opening.

Staticss steel ribbod reinforcement bans are used to tie to the opening. The reds penetrate the expansion natural and suchor the practic place by connecting to the properties of the properties

For situations where connecting the rods to the opening may prove difficult, panel anchors can be used Islanian to the brick-tie principle secured by either screw or bolt fixing or can mechanically shot fixed.

Glass blocks specilists norter - Colnet Vetronix

Colon! Vetreen is a specifically designed and formulated premis mertar for glass block constructional ensures accuracy and constituting of performance. It can be used as formulated to the constructional ensures accuracy and constituting of performance. It can be used as form least-run, to exhibit a person of the solitation entervaluation in a case in the construction are not more reversal or accuracy are available. It is used as bedding and positing particular accuracy in the reversal or accuracy are available. It is used a bedding and provings particular accuracy and accuracy and accuracy are accurately as a construction are not more reversal or accuracy and according and the paint width should not be XX and failing or 3YX and rating and the jaint width should not exceed 2xm.

## Expansion joint sealer sealant,

After construction, the perimeter joint should be cleared of any residue mortar and cauthed with Rods & Mortar expansion sealant for fire stop mostici. Bridging the joint would restrict flexibility and novement and negate the expansion fibre and can cause glass blocks or joints to cruck.

# How a mortar joint works

This A Divine norm metro.

Gass Block Technique pontar is a specially formulated premis bedding and finishing compount, smallable in one boy to be nised with water. It is manufactured under factory controlled conditions and adolence are countably sheeded and designed for examine performance of strength, finishilly, water repollence and U-value. A metric print will once in reaction is safe just the seronal nearther, so it is important that they just the seronal nearther, so it is important that they just the sort all enterts, so it is important that they just the sort all enterts, so it is important and the just of the sort of the control of th

because sold with heave of extendents. That confug is advisored after 2-33 days, the confuge of the confuge of



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The data sheet connection detail & construction principles, should be designed and be specific to each project requirement or environment & calculations checked and qualified by independent structural engineers.

All information is accurate to the best of our knowledge at time of data sheet production, however Gless Block Technology Ltd. cannot be held label in any wey regarding the usage of gless blocks and the manner in which they are Installed. Gless Block Technology Ltd. reserve the right to amend or correct changes at any time.

TYPICAL GLASS BLOCK **RODS & MORTAR SYSTEM** MAXIMUM WIDTH WALLS

**GBT105** 

Rev.

Scale 1:7.5 & 1:2.5