

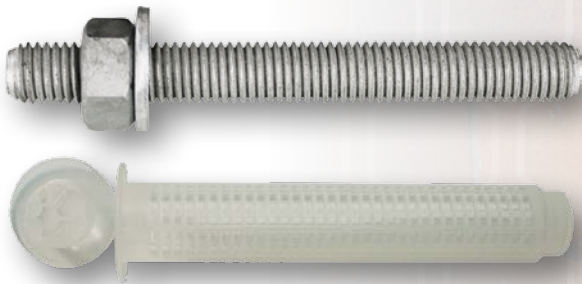


Vinylester Injection System

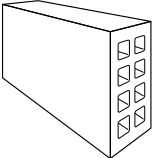
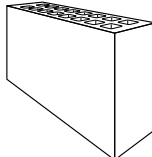
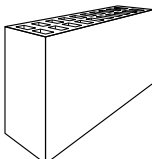
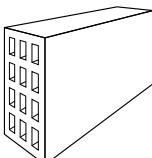
When it's GREEN it's Vinylester.

ICCONS® BIS-V is a Rapid Cure, Styrene Free, Non Sag, High Performance Injection Adhesive.

BIS-V is suitable Hollow Masonry as well as Threaded Rod and Rebar in Cracked and Non-Cracked concrete as well as C1 Seismic applications



Recommended Loads in Hollow Masonry (W.A. Bricks)

Brick Type (W.A. only)	Dimensions (mm)	Unconfined Compressive Strength (MPa)	Anchor Size (Threaded Rod)	*F _{rec.} (kN)	Brick Drill size (mm)	Plastic Sleeve Part No.
 VERTICORE	305 x 90 x 162	≥ 7.2 MPa	M8	2.2	12	CSP08050
			M10	2.9	16	CSP1012085
			M12	2.9	16	CSP1012085
			M16	2.9	20	CSP16085
 ARMACLAY	305 x 90 x 162	≥ 2.0 MPa	M8	2.3	12	CSP08050
			M10	2.8	16	CSP1012085
			M12	2.8	16	CSP1012085
			M16	2.9	20	CSP16085
 MAXI BRICK	305 x 90 x 162	≥ 12 MPa	M8	2.2	12	CSP08050
			M10	3.0	16	CSP1012085
			M12	3.0	16	CSP1012085
			M16	3.0	20	CSP16085
 FASTWALL	305 x 90 x 162	≥ 3.5 MPa	M8	2.2	12	CSP08050
			M10	2.5	16	CSP1012085
			M12	2.5	16	CSP1012085
			M16	2.9	20	CSP16085

*F_{rec.} = Recommended load in tension or shear direction



Edge Distance and Spacing Parameters for Brick Walls

Rod Size	M8	M10	M12	M16
Edge Distance (min.)	150	150	150	150
Spacing (min.)	305mm (Horizontally) 162mm (Vertically)			

Design Guidelines - Hollow Masonry (W.A. Bricks)

The performance of anchoring systems into masonry may vary greatly depending on the masonry base material, job site testing is recommended to verify actual performance. The above data is intended for guidance only and based on installation in accordance with ICCONS installation instructions, refer to the adhesive product tube for details or go to www.iccons.com.au.

- When fixing into hollow brickwork, position anchors a minimum edge distance from wall end or wall opening as per table guidelines above.
- Minimum recommended spacing between anchors should be as per table guidelines above.
- Embedment is based on installation into the face shell of the brickwork only.
- Anchors should be positioned a minimum 2 brick courses down from the top of an unrestrained wall.
- Avoid fixing into mortar joints unless site testing has been conducted to verify performance.

Combined Tension & Shear Loading

For Combined tension and shear load applications the following equations shall be satisfied

$$N_{\text{applied}} / N_{\text{rec}} \leq 1 \quad V_{\text{applied}} / V_{\text{rec}} \leq 1 \quad (N_{\text{applied}} / N_{\text{rec}}) + (V_{\text{applied}} / V_{\text{rec}}) \leq 1.2$$

Where:

N_{applied} = Applied Tension Load

V_{applied} = Applied Shear Load

N_{rec} = Recommended Tension Load

V_{rec} = Recommended Tension Load

Specification Example

Adhesive : BIS-V Injection System

Rod Size : M12 (Drill size 16mm)

Plastic Sleeve Part No. : CPS1012085

Installation to be done in accordance with ICCONS Hollow Base Material Installation Instructions

Note: see front page for other sizes available

Installation instructions

Hollow base material

For new cartridges dispense a bead of adhesive until even and consistent colour is present to ensure correct mix of adhesive.

