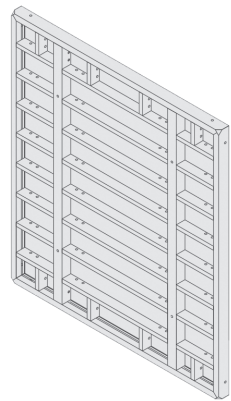


FORMWORK GENERAL
PRODUCT GUIDE

Acrowall-80

General Product Information



Genuine **Safety.**
Outstanding Service.



ACROWALL-80 Formwork System

Important

The safe use and application of the Acrowall-80 system must be in accordance with Australian Standard AS 3610 Formwork for Concrete, Occupational Health and Safety Regulations, approved industry codes of practice and relevant regulatory authority requirements.

Any illustrations in the assembly configurations are minimum guidelines only.

The combined use of the Acrowall-80 system with equipment from other suppliers may entail performance problems and therefore requires a design check and/or verification by AF&S Engineering Department.

Acrow can provide an appropriate safe work method statement for assembly and dismantling of the Acrowall-80 system to suit the specific design and project. Contact Acrow for such information.

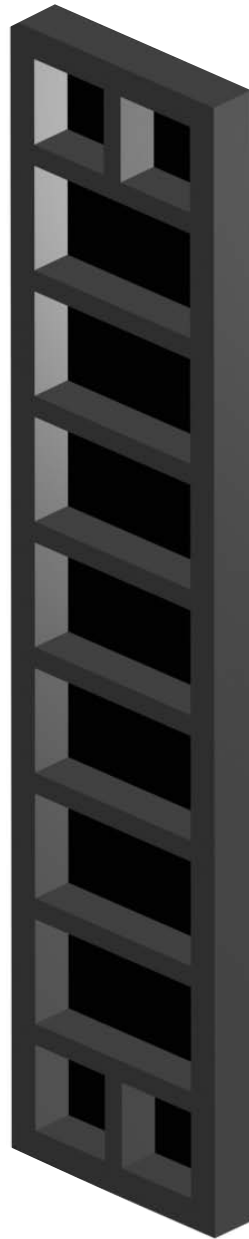
Safety Warning

This warning is to draw the users attention to possible musculoskeletal disorder as a result of manual handling during assembly and dismantling of Acrowall-80 panels.

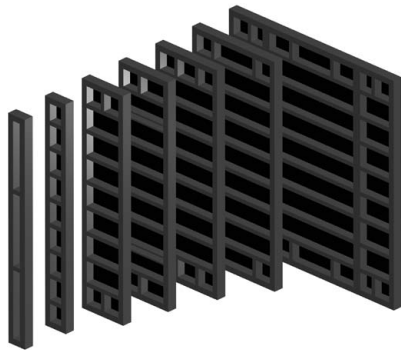
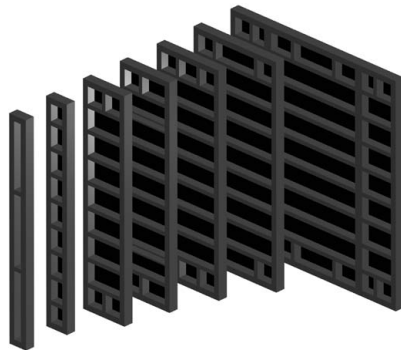
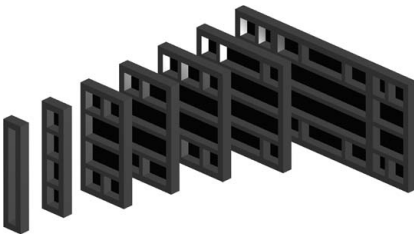
It is recommended that users of the Acrowall-80 panel system employ and implement appropriate procedures and control measures to eliminate or control any risk of Musculoskeletal disorder/injury while manually handling Acrowall-80 panels. Refer to Code of Practice on manual handling published by local WorkCover Authority or other approved and recognised guidelines for correct and appropriate manual handling procedures.

Product Features

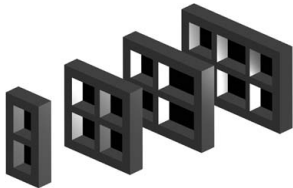


Acrowall-80 is a powder coated steel frame panel with an 18mm plywood face. The maximum permissible concrete pressure is 80kPa. The built-in strength in the design of the Acrowall-80 system makes the assembly simple with a minimum of components. The aligning clamps lock the panels rigidly together and accurately in line. Panel assemblies stay free of twist even when being crane handled.



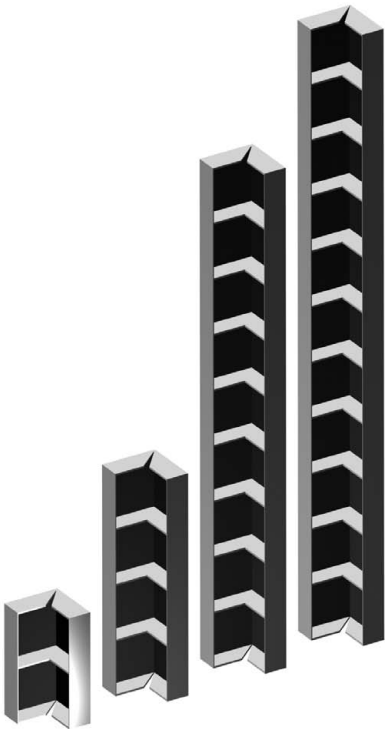
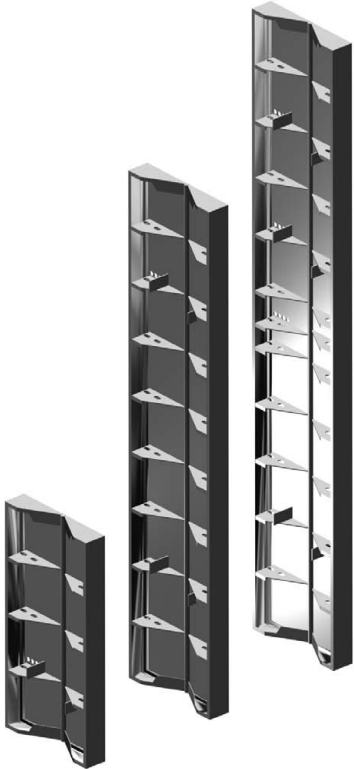
General Product Information

Product	Description	Code No.	Mass kg (nom.)
	<p>Acrowall-80 Panels</p> <p>Can be connected to each other to form the required concrete area. They are capable of taking concrete pressures up to 80kPa.</p> <p>Acrowall-80 3300 high panels range</p> <p>3300x2400 3300x1200 3300x900 3300x720 3300x600 3300x300</p>	<p>AW80P3324 AW80P3312 AW80P3309 AW80P3307 AW80P3306 AW80P3303</p>	<p>472 208 171 145 131 89</p>
	<p>Acrowall-80 2700 high panels range</p> <p>2700x2400 2700x1200 2700x900 2700x720 2700x600 2700x300</p>	<p>AW80P2724 AW80P2712 AW80P2709 AW80P2707 AW80P2706 AW80P2703</p>	<p>392 173 142 121 108 73</p>
	<p>Acrowall-80 1200 high panels range</p> <p>1200x2400 1200x1200 1200x900 1200x720 1200x600 1200x300</p>	<p>AW80P1224 AW80P1212 AW80P1209 AW80P1207 AW80P1206 AW80P1203</p>	<p>195 88 73 60 54 35</p>

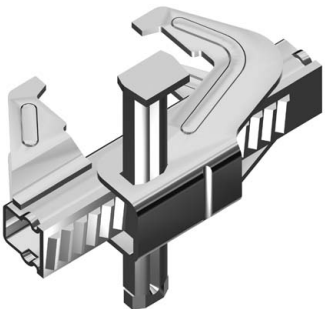


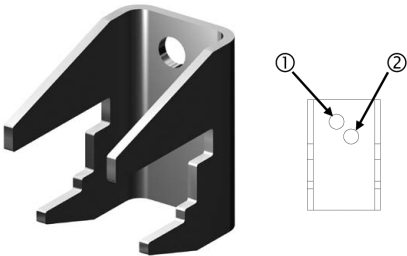
ACROWALL-80 Formwork System

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 600 high panels 600x900 600x720 600x600 600x300	AW80P0609 AW80P0607 AW80P0606 AW80P0603	43 37 32 20
	Acrowall-80 Multi Panels A multi-purpose panel featuring a continuous horizontal module of tie holes 30mm apart. This tie position module allows the panel to be used for applications such as wall offsets, corners with oblique angles, wall stopends and particularly suitable for column formwork. 3300x720 2700x720 1200x720	AW80MP3307 AW80MP2707 AW80MP1207	176 135 72
	Acrowall-80 Stopend Panel They suit 240mm thick walls, also can be used as wall make up panels. 3300x240 2700x240 1200x240	AW80P3302 AW80P2702 AW80P1202	73 61 29

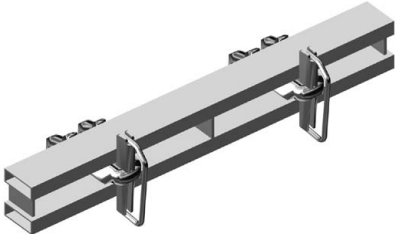


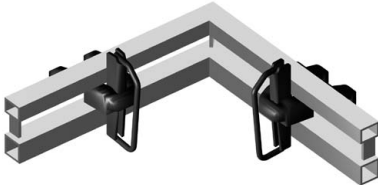
General Product Information

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Internal Corner Panel Used for 90° internal corners. 3300 x 300 x 300 2700 x 300 x 300 1200 x 300 x 300 600 x 300 x 300	AW80IC33 AW80IC27 AW80IC12 AW80IC06	131 108 53 31
	Acrowall-80 Articulated Corner Panel Can be used internally and externally for angles from 75°. 3300 x 292 x 292 2700 x 292 x 292 1200 x 292 x 292	AW80ACP33 AW80ACP27 AW80ACP12	199 164 78




ACROWALL-80 Formwork System

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Alignment Clamp Used to connect the panels together.	AW80AC	4.5
	Acrowall-80 Working Platform Bkt Can be attached to provide a three plank wide working platform. Working Load Limit: 650kg per bracket uniformly distributed. Maximum spacing: 1.8m	AW80WPB	17
	Acrowall-80 Brace Connector Used for attaching Push-Pull props and Kicker braces to the Acrowall-80 panels.	AW80BC	3.5
	Acrowall-80 Top Tie Bracket The Top Tie Bracket is attached to the top of the panel to allow a tie be used at the top of the panel. Working Load Limit for tie force: Hole Ø = 15 kN Hole Ø = 30 kN	AW80TTB	2.0

General Product Information

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Compensation Waler 850 Used to support timber infill panels up to 360mm width and to align panels.	AW80CW850	13.5
	Acrowall-80 Universal Waler 2450 Used for tying acute and obtuse angles of thick walls.	AW80UW2450	89
	Acrowall-80 Waler Stop Used in conjunction with Universal Waler 2450 to connect the walers together.	AW80WS	5
	Acrowall-80 Internal Compensation Waler Used for connecting internal corners without using Internal Corner Panels.	AW80ICW	8.9


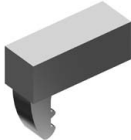



ACROWALL-80 Formwork System

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Push-Pull Props Used in combination with or without Kicker Brace to provide means for plumbing the panels while stabilising and securing them against wind loads. Push-Pull Prop 2050-2940 Push-Pull Prop 2900-3800 Push-Pull Prop 4600-6000	AW80PP2050 AW80PP2900 AW80PP4600	27 31 69
	Acrowall-80 Kicker Brace Used at the base of the panels in combination with Push-Pull Props to provide means for plumbing the panels while stabilising and securing them against wind loads. Kicker Brace 1080-1400 Kicker Brace 1280-2100 Kicker Brace 2030-2940	AW80KB1080 AW80KB1280 AW80KB2030	14 20 26
	Acrowall-80 Base Plate Used to anchor Push-Pull Prop and Kicker Brace to concrete footing.	AW80BP	2

General Product Information

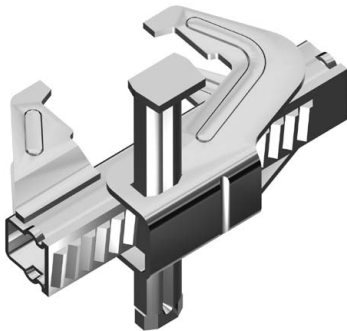
Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Lifting Hook 1.5T Used for crane handling of assembled Acrowall-80 panels and must be used in pairs. Working Load Limit: 1500kg with angle of spread between crane chains not exceeding 60°.	AW80LH	7.7
	Acrowall-80 Stacking Post Used for stacking and moving 5 panels of any size except 3300 x 2400 which is 4 panels. Four units are required per each stack. The stack can be moved by crane or forklift. Working Load limit: 500kg per post.	AW80SP	7.5
	Acrowall-80 Lifting Gear Used for lifting stacks of panels. Working Load Limit: 2000kg with angle of spread between chains not exceeding 60°.	AW80LG	15.6
	Acrowall-80 Plastic Hole Plug 20/24mm Used to plug unused 20-24mm diameter holes in the panels.	AW80PHP20/24	0.03

ACROWALL-80 Formwork System

Product	Description	Code No.	Mass kg (nom.)
	Acrowall-80 Hook Tie DW15 Length = 400mm used to connect walers to panel. Tensile Working Load Limit = 20kN	AW80HT15	0.64
	Acrowall-80 Hook Tie Head DW15 Tensile Working Load Limit = 20kN	AW80HTH	0.4
	Acrowall-80 Stopend Tie Used in combination with Compensation Waler 850 to hold Stopend Panels in place. Tensile Working Load Limit = 20kN	AW80ST	1.2
	Acrowall-80 Column Tie Bolt	AW80CTB	0.62
	Acrowall-80 Column Chamfer Strip For Acrowall-80 Column formwork. L=2.7m	AW80CCS	1.9

General Product Information

ACROWALL-80 Alignment Clamp Applications



Standard panel joint



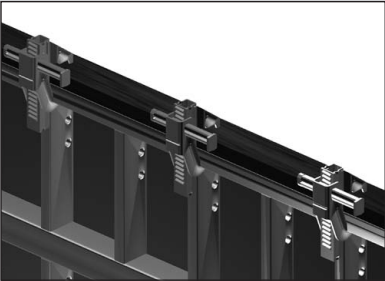
Height extensions



Supporting infill timbers up to 100mm



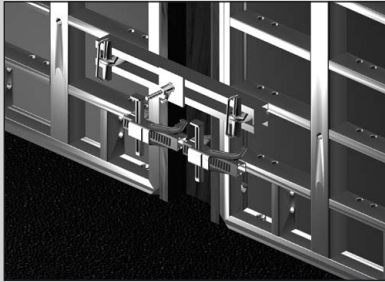
External & internal corners



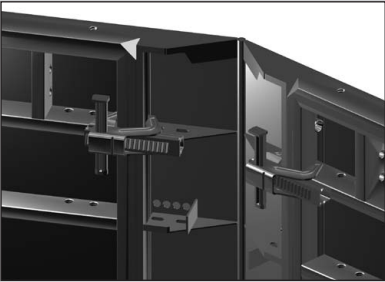
Timber extensions



Stopends



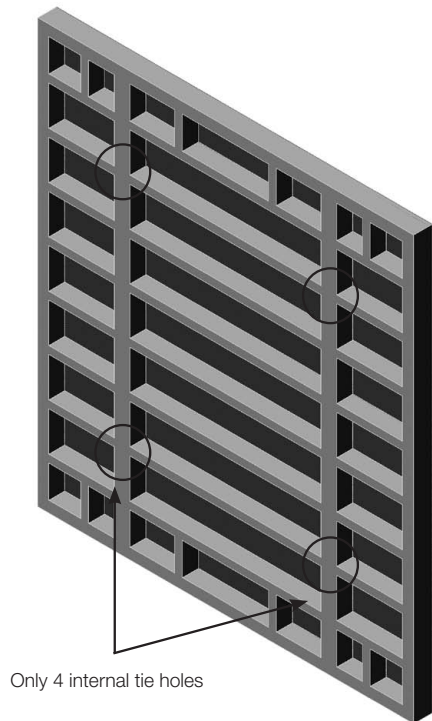
Plywood & timber makeup



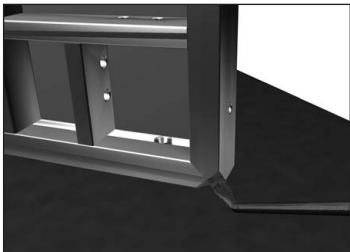
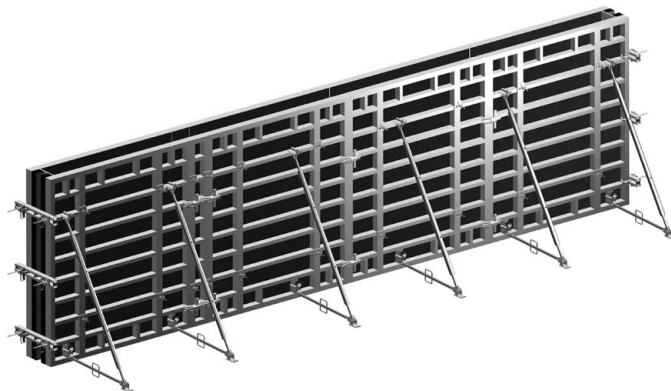
Articulated corners

2700x2400 Panel
Benefits

- High structural stiffness for reduced deflection
- Optimum size for transport
- No plugging of tie holes

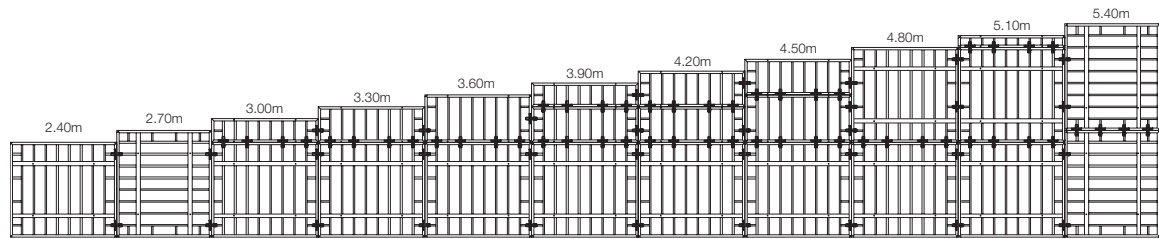


Only 4 internal tie holes



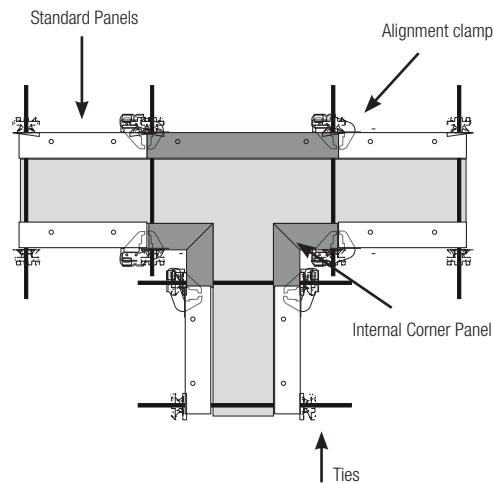
Levering Corners

Panels can be levered into place with a crow bar.

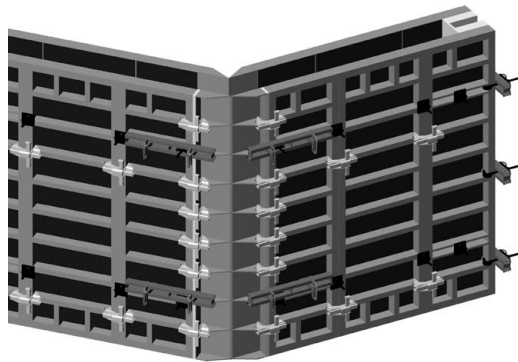
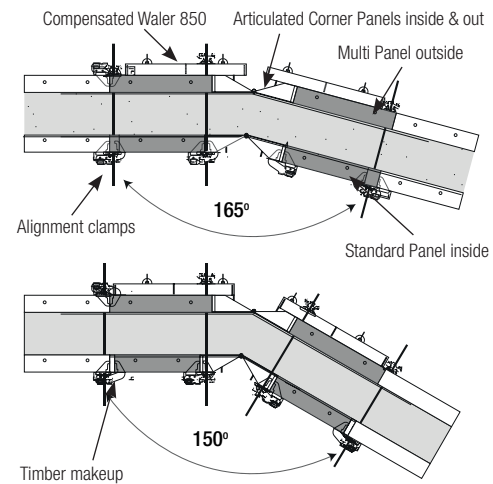


Achievable heights when combined with other 2700mm panels - typical panel arrangements.

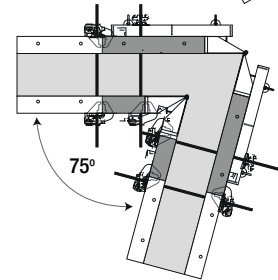
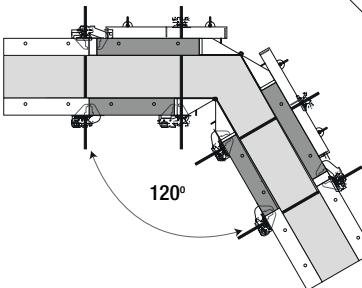
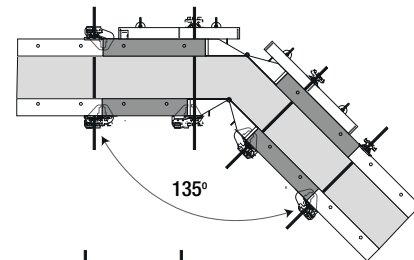
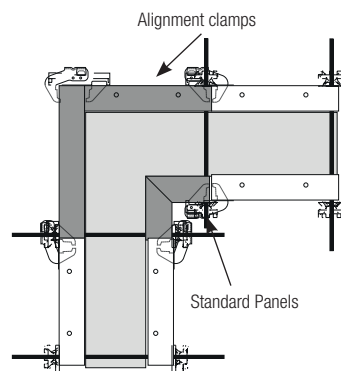
T-junctions



Oblique angles



Corners



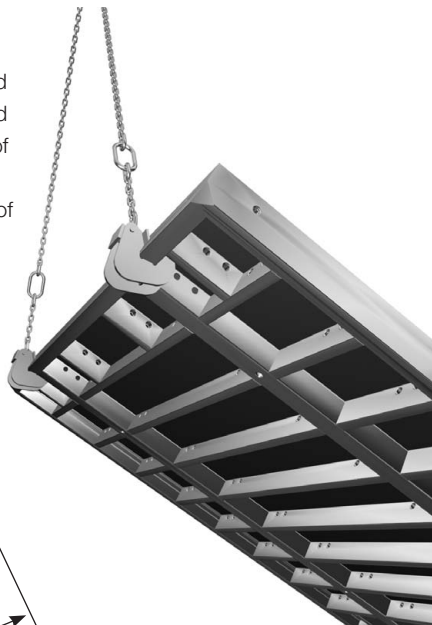
ACROWALL-80 Formwork System



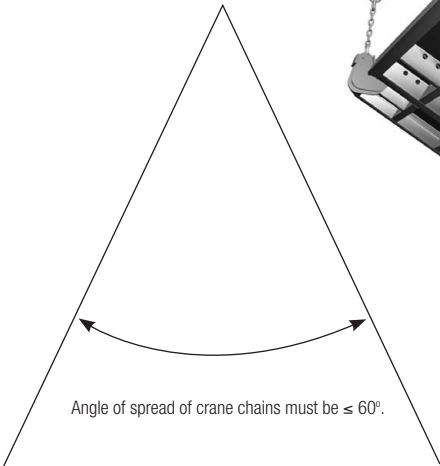
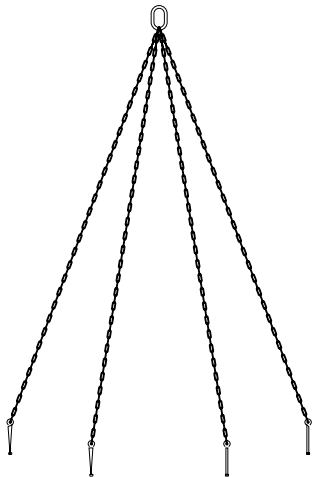
The Stacking Post is used to handle up to 5 panels (only 4 panels when used for stacking 3.3 x 2.4m panels) and has a Working Load Limit of 500kg / Post



The Lifting Hooks are used in pairs to crane handle large panels. They are self locking and can be released from the ground or slab using a tie bar or piece of timber. The Working Load Limit is 1500kg with angle of spread of crane chains must be $\leq 60^\circ$.



The Lifting Gear is connected to each Stacking Post and can safely take 2000kg with angle of spread of crane chains must be $\leq 60^\circ$.



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Contact

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or contact your business
development manager.
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