



GREEN FORMWORK

Prop | Panel | Drophead | Early Strip



SUSTAINABLE • SAFE • INNOVATIVE • EFFICIENT

Engineered in Australia - utilised internationally since 2013

www.safeguardscaffold.com.au/green-formwork

info@safeguardformwork.com.au

1300 971 603



Sustainable

- » Bamboo-composite boards constructed from renewable resources
- » Stripping heads are cast with recycled steel
- » Reduction in onsite waste, removal, transport and disposal costs

Safe

- » Stable system with locking restrictions in 6 directions
- » System can be erected from the ground eliminating working at heights risks

Innovative

- » Minimal components: Panel prop and infill beam
- » Does not require cross / lateral braces and tripod
- » Easy to transfer both horizontally and vertically

Efficient

- » Only 4 people required for setup, stripping and removal
- » Can achieve up to 100m² setup per person per day
- » Less labour and machinery costs

Green Formwork modular shoring system is the world's most advanced panel-prop formwork system for horizontal slab propping situations which allows early stripping process..

The simplicity in design provides unparalleled efficiencies in labour, as well as a massive reduction in consumables, and market-leading safety features such as the four-point locking mechanism.

The patented drophead technology allows super quick cycle times by releasing the pre- assembled aluminium panel upon concrete curing, without disturbing the shoring prop.

With our engineered infill beams, connecting to vertical structures is solved quickly and easily, with seamless results. The addition of a lower support prop head allows beams to be formed on the same prop as the main deck, providing unrivalled labour efficiency. Additionally, the system delivers a significant reduction in crane time on construction sites.

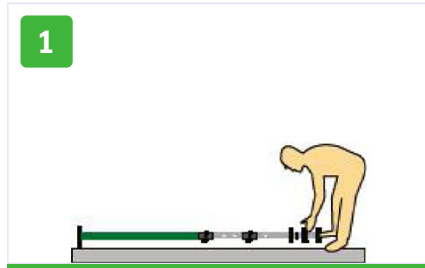
The Green Formwork system incorporates a wind-lock mechanism to prevent any uplift in high wind / windy conditions.

Green Formwork adopts the structural mechanism of a four- leg table, using a systematic, puzzle-style installation approach, with a combination of Grade 345 steel components, powder coated and preassembled aluminium panels, and high-grade bamboo-composite infill, all conforming to Australian Standards and engineered in Australia.

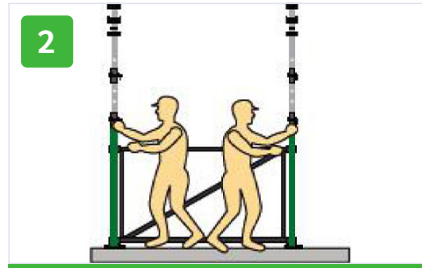


Erecting the Green Formwork

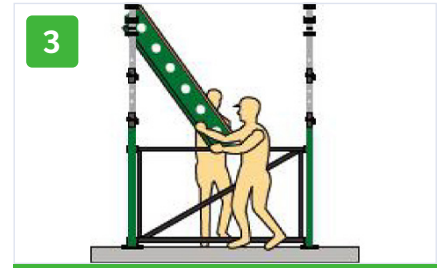
Below are the three simple steps to erecting the Green Formwork Modular Shoring System from the safety of the working floor.



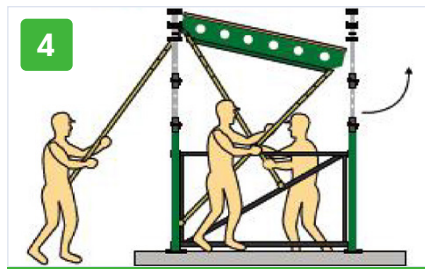
Adjust the steel props to the required length



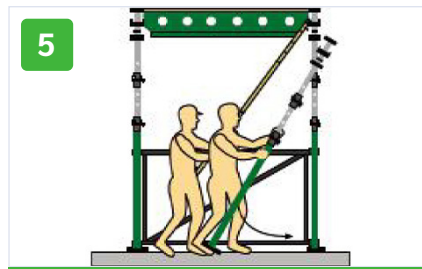
Erect the steel props using the gate brace



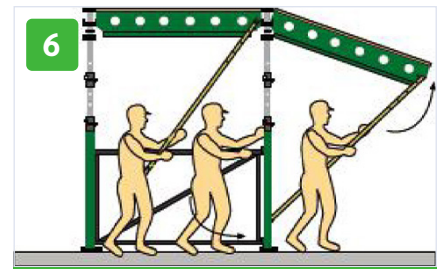
Hang the panel to the prop head



Swing the lower end of the panel into position.



Insert, push, straighten and lock in the four props

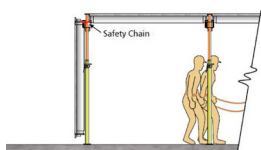


Repeat steps 3, 4, and 5



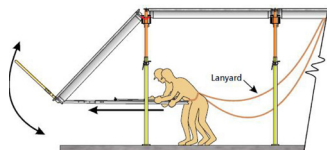
Cantilever

Cantilever technology maximizes efficiency and provides excellent safety on slab edges. Properly used, it provides a safe working environment along with its unique fast and efficient erection.



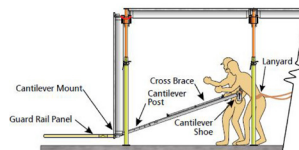
Step 1

Hang panel in vertical position and install safety chain (2 per panel) through accessory holes between vertical panel and horizontal panel



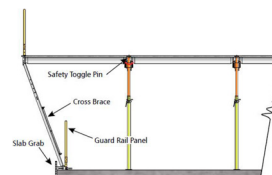
Step 2

Install Cantilever Mounts, Cantilever Posts, Cantilever Shoes, Cross Brace and upper Guard Rail Panel



Step 3

After tying off for personal protection, rotate panel into horizontal position using Cantilever Posts

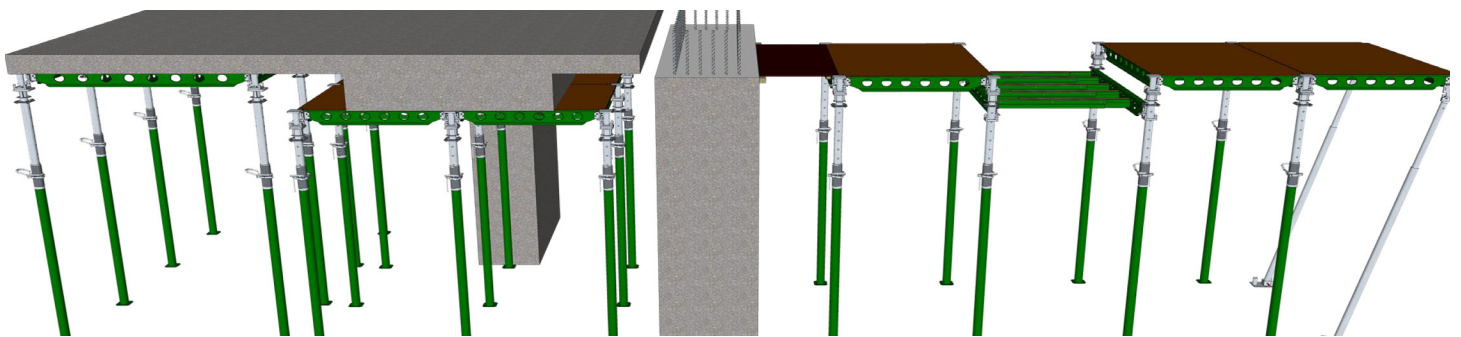
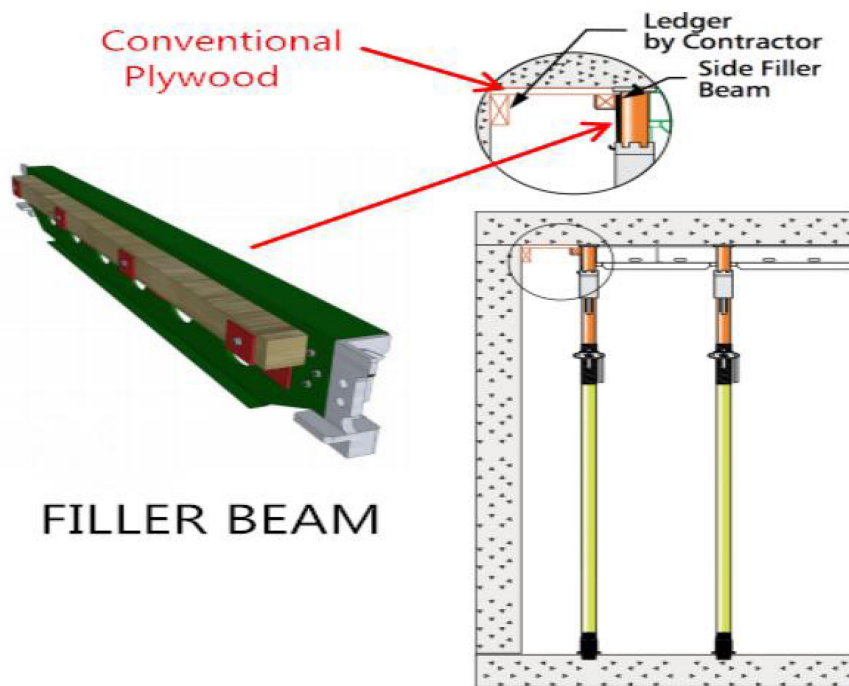


Step 4

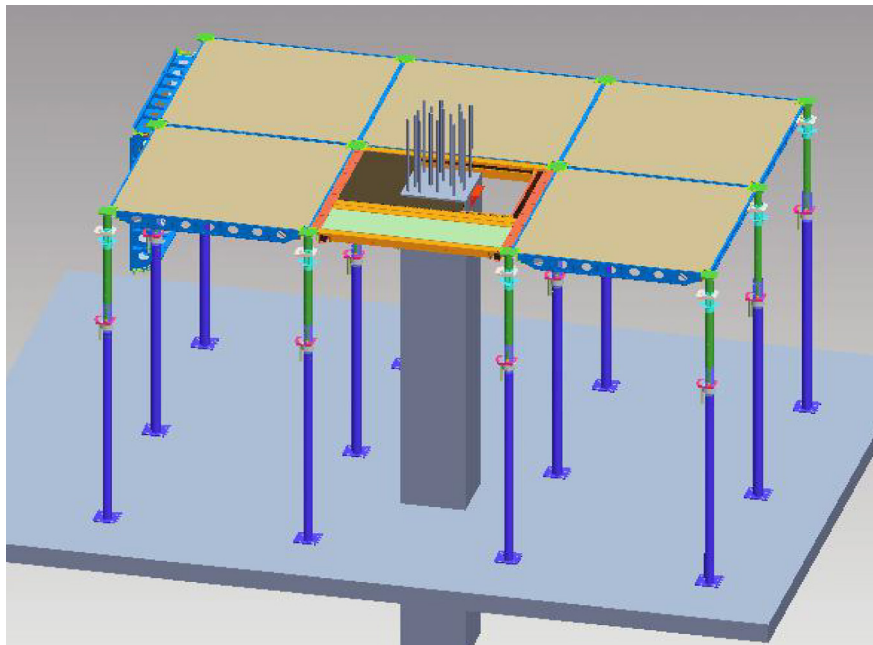
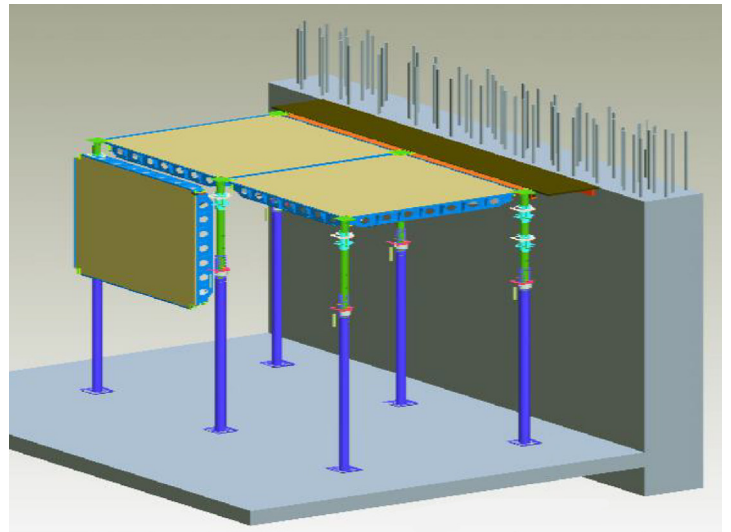
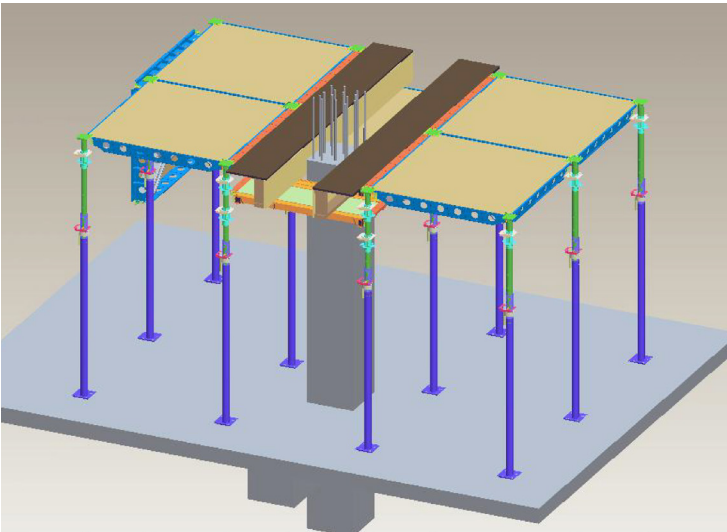
Install Cantilever Shoe, securing it with a Slab Grab, then install the Cross Brace and Guard Rail



Infills and Connections



Infills and Connections



Column Box



Load Capacity

Green Formwork ZB3500 prop load capacity

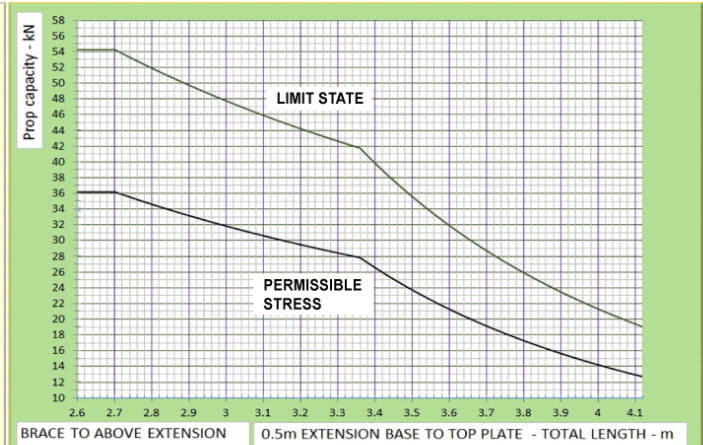
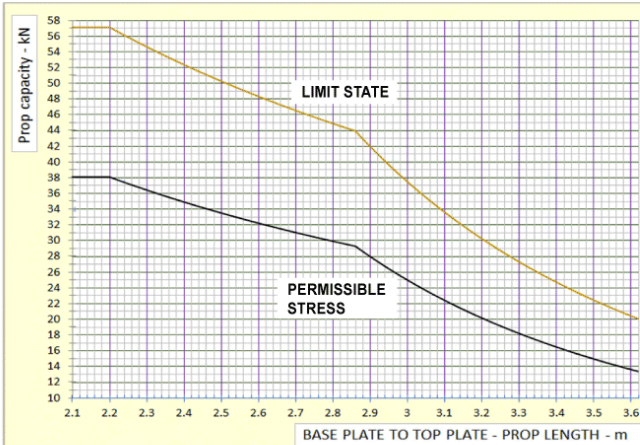


Limit State	kN	57.1	57.1	54.6	52.4	50.3	48.3	46.5	44.1	37.5	30.2	24.7	22.4	20.4
Working Load	kN	38.1	38.1	36.4	34.9	33.5	32.2	31.0	29.4	25.0	20.2	16.5	15.0	13.6
Height	m	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.85	3.0	3.2	3.4	3.5	3.6
		test								test			test	

B35 Prop

Limit State	kN	54.3	54.3	51.9	49.7	47.8	45.9	44.2	41.9	35.6	28.7	23.5	21.3	19.4
Working Load	kN	36.2	36.2	34.6	33.2	31.8	30.6	29.5	27.9	23.7	19.1	15.6	14.2	12.9
Height	m	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.35	3.5	3.7	3.9	4.0	4.1

0.5m Extension under B35 Prop, with bracing from support to above extension

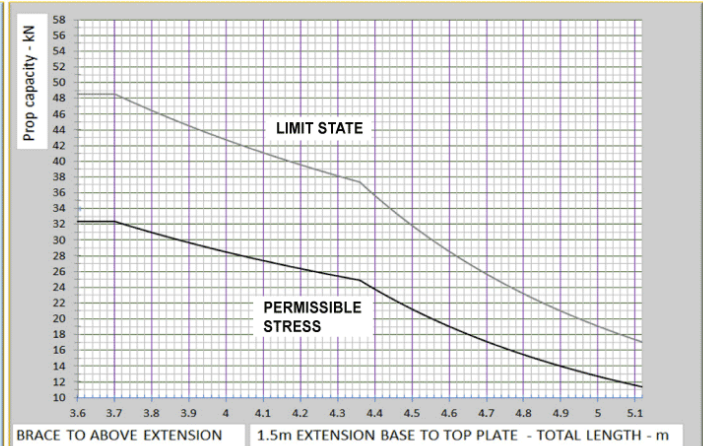
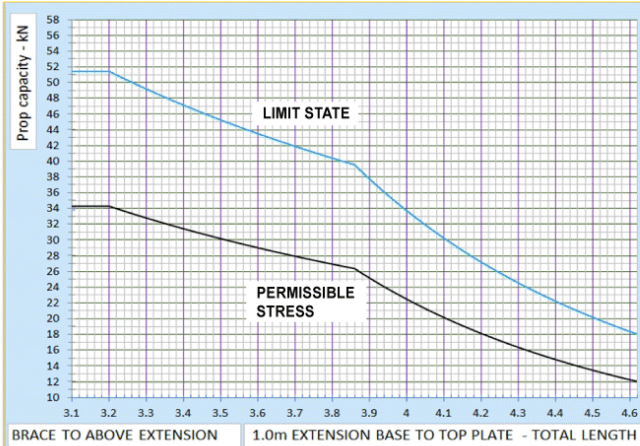


Limit State	kN	51.4	51.4	49.2	47.1	45.2	43.5	41.9	39.7	33.7	27.2	22.2	20.2	18.4
Working Load	kN	34.3	34.3	32.8	31.4	30.2	29.0	27.9	26.5	22.5	18.1	14.8	13.5	12.3
Height	m	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.85	4.0	4.2	4.4	4.5	4.6

1.0m Extension under B35 Prop, with bracing from support to extension

Limit State	kN	48.6	48.6	46.4	44.5	42.7	41.1	39.6	37.5	31.8	25.7	21.0	19.1	17.4
Working Load	kN	32.4	32.4	31.0	29.7	28.5	27.4	26.4	25.0	21.2	17.1	14.0	12.7	11.6
Height	m	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.35	4.5	4.7	4.9	5.0	5.1

1.5m Extension under B35 Prop, with bracing from support to extension



Load Capacity

		SLAB THICKNESS (mm)								
		100	150	200	250	300	350	400	450	500
HEIGHT FROM BASE PLATE TO TOP OF LUG (mm)	3100	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3150	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3200	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3250	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3300	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3350	✓	✓	✓	✓	✓	✓	✓	✓	✗
	3400	✓	✓	✓	✓	✓	✓	✓	✗	✗
	3450	✓	✓	✓	✓	✓	✓	✓	✗	✗
	3500	✓	✓	✓	✓	✓	✓	✓	✗	✗
	3550	✓	✓	✓	✓	✓	✓	✓	✗	✗
	3600	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3650	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3700	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3750	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3800	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3850	✓	✓	✓	✓	✓	✓	✗	✗	✗
	3900	✓	✓	✓	✓	✓	✗	✗	✗	✗
	3950	✓	✓	✓	✓	✓	✗	✗	✗	✗
	4000	✓	✓	✓	✓	✗	✗	✗	✗	✗
	4050	✓	✓	✓	✓	✗	✗	✗	✗	✗
4100	✓	✓	✓	✗	✗	✗	✗	✗	✗	
4150	✓	✓	✓	✗	✗	✗	✗	✗	✗	
4200	✓	✗	✗	✗	✗	✗	✗	✗	✗	
4250	✓	✓	✗	✗	✗	✗	✗	✗	✗	
4300	✓	✓	✗	✗	✗	✗	✗	✗	✗	
4350	✓	✗	✗	✗	✗	✗	✗	✗	✗	
4400	✓	✗	✗	✗	✗	✗	✗	✗	✗	
4450	✓	✗	✗	✗	✗	✗	✗	✗	✗	
4500	✓	✗	✗	✗	✗	✗	✗	✗	✗	
4550	✗	✗	✗	✗	✗	✗	✗	✗	✗	
4600	✗	✗	✗	✗	✗	✗	✗	✗	✗	

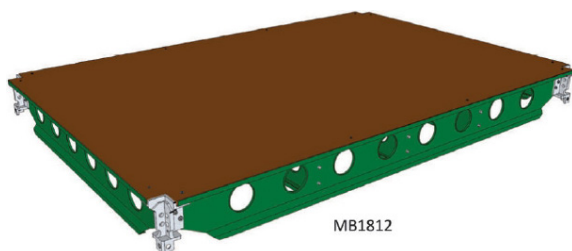
B35 PROP - 1000mm EXTENSION - 1200x1200 PAN (GUIDE ONLY - CHECK WITH DESIGN/ENGINEERING TEAM)										
		SLAB THICKNESS (mm)								
		100	150	200	250	300	350	400	450	500
HEIGHT FROM BASE PLATE TO TOP OF LUG (mm)	3100	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3150	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3200	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3250	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3300	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3350	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	3450	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3500	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3550	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3600	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3650	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3700	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3750	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3800	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3850	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3900	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3950	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4000	✓	✓	✓	✓	✓	✓	✓	✓	✗
	4050	✓	✓	✓	✓	✓	✓	✓	✓	✗
4100	✓	✓	✓	✓	✓	✓	✓	✗	✗	
4150	✓	✓	✓	✓	✓	✓	✗	✗	✗	
4200	✓	✓	✓	✓	✓	✓	✗	✗	✗	
4250	✓	✓	✓	✓	✓	✗	✗	✗	✗	
4300	✓	✓	✓	✓	✓	✗	✗	✗	✗	
4350	✓	✓	✓	✓	✗	✗	✗	✗	✗	
4400	✓	✓	✓	✓	✗	✗	✗	✗	✗	
4450	✓	✓	✓	✓	✗	✗	✗	✗	✗	
4500	✓	✓	✓	✗	✗	✗	✗	✗	✗	
4550	✓	✓	✓	✗	✗	✗	✗	✗	✗	
4600	✓	✓	✓	✗	✗	✗	✗	✗	✗	

[illegible]

B35 PROP - 1500mm EXTENSION - 1200x1200 PAN (GUIDE ONLY - CHECK WITH DESIGN/ENGINEERING TEAM)										
		SLAB THICKNESS (mm)								
		100	150	200	250	300	350	400	450	500
HEIGHT FROM BASE PLATE TO TOP OF ULG (mm)	3600	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3650	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3700	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3750	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3800	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3850	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3900	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3950	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4000	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4050	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4100	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4150	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4200	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4250	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4300	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4350	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4400	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4450	✓	✓	✓	✓	✓	✓	✓		✗
	4500	✓	✓	✓	✓	✓	✓	✓	✗	✗
	4550	✓	✓	✓	✓	✓	✓	✓	✗	✗
4600	✓	✓	✓	✓	✓	✓	✗	✗	✗	
4650	✓	✓	✓	✓	✓	✓	✗	✗	✗	
4700	✓	✓	✓	✓	✓	✗	✗	✗	✗	
4750	✓	✓	✓	✓	✓	✗	✗	✗	✗	
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4900	✓	✓	✓	✗	✗	✗	✗	✗	✗	
4950	✓	✓	✓	✗	✗	✗	✗	✗	✗	
5000	✓	✓	✓	✗	✗	✗	✗	✗	✗	
5050	✓	✓	✗	✗	✗	✗	✗	✗	✗	
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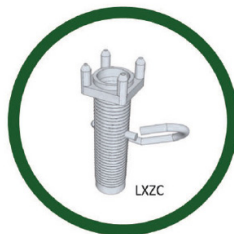
System Components

PANEL



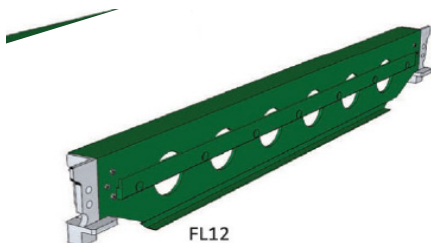
Pans (13.86m2)	Qty.	kg.
1800x1200	1	44.91
1800x900	1	38.92
1800x600	1	30.94
1500x1200	1	39.4
1500x900	1	31.3
1500x600	1	23.8
1200x1200	1	33.93
1200x900	1	27.94
1200x600	1	22.95
900x900	1	23
900x600	1	17
600x600	1	12.3

STEEL PROP & HEAD



Dimensions	Code	Weights (kg)
Prop EN 1065 - B35 / 2.4m (with Stripping Head)	ZB3500	23.00
Lower Support Prop Head	LXZC	3.85

INFILL BEAM



Dimensions	Code
Wall Filler Beam 1800mm	WFL18
Wall Filler Beam 1200mm	WFL12
Wall Filler Beam 900mm	WFL9
Wall Filler Beam 600mm	WFL6



GREEN FORMWORK


Prop | Panel | Drophead | Early Strip




WORKING WITH SAFEGUARD MEANS WORKING WITH A PROVEN, TRUSTED INDUSTRY LEADER AND SPECIALIST THAT UNDERSTANDS YOUR EXPECTATIONS.

REQUEST A FREE QUOTE TODAY

CONTACT

 1300 971 603

 info@safeguardformwork.com.au

 19 Cairns St, Loganholme QLD 4129

