



PLYTEC[®]

Product Profile

Solution for Temporary Works and Construction
Method Engineering (CME)

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SELF-CLIMBING PERIMETER PROTECTIVE SCREEN *with Working Platform*

**WAY UP: HARMONIZING SAFETY,
PRODUCTIVITY & TECHNOLOGY**

BUILD SMARTER. BUILD FASTER.

About Us

Committed to safety, productivity & technology

PLYTEC Group has grown from a trading and distribution hub for building materials into a trusted industry partner since its establishment on March 9, 1999. Dedicated to excellence and driven by innovation, PLYTEC has diversified into various segments including Construction Method Engineering (CME), Digital Design Engineering (DDE), and Precast Concrete (PC) Solutions. Embracing industrialization and digitalization, PLYTEC has expanded its business to include the manufacturing of construction temporary works equipment. Through continuous innovation and strategic growth, PLYTEC is committed to driving progress and shaping the future of the construction industry.

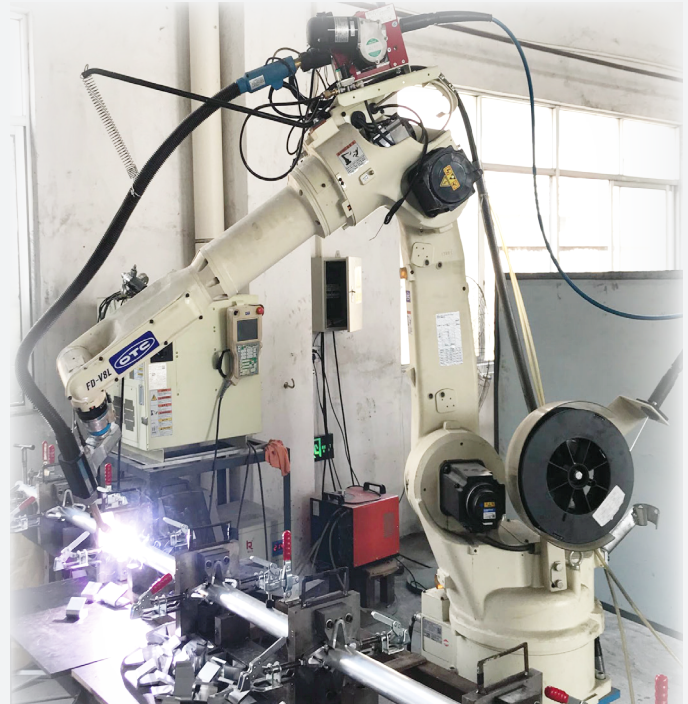
PLYTEC Formwork® is one of the subsidiaries of PLYTEC Holding Berhad, a group of companies comprising multiple business entities operate in synergy and envisions to pioneer value engineering in construction industry with smart technology.

PLYTEC Formwork® specializes in Construction Method Engineering (CME) field of temporary works for the forming and erection of concrete structures, and workplace access on job site. We provides full range of product solutions to perform scaffolding, falsework, shoring and formworks in compliance with the codes of practice.



The Equipment Hub, Olak Lempit, Banting

Current operation as CME temporary works equipment refurbishment, production, maintenance and inventory management center.



Industrial Robotic Arm for Precision Aluminum Welding

PLYTEC Formwork® focuses in:

- I) Product Solutions
- II) Engineering services in temporary building structures
- III) CDM Compliance & Building Information Modeling (BIM)

Through an exclusive conglomerate partnership with WONDER, a renowned specialist in aluminium formwork and construction access equipment; PLYTEC has established its own manufacturing lines and R&D unit. This strategic move allows PLYTEC to better comprehend and complement its supply chain pipeline, enhancing product consistency, innovation, and operational synergy.

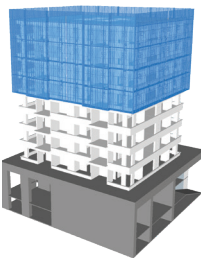
We rely on precision engineering and quality control in production processes and workflows to deliver and fulfill our commitment to quality standards and excellence.

PLYTEC believes in its organizational core values of Integrity, Innovation & Excellence (IIE); and practices the culture of knowledge sharing.

Product Solutions Overview

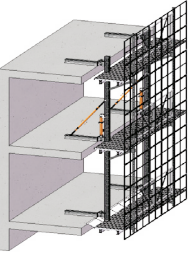
SCAFFOLD & ACCESS

WONDERScreen
SCP
(Hoist Lifting)



Self-climbing perimeter protective screen with working platform.

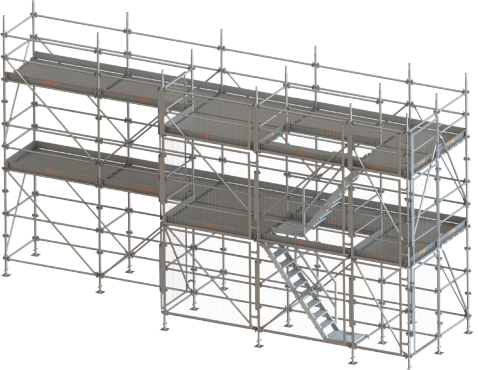
WONDERScreen
SCP
(Hydraulic Version)



Hydraulic self-climbing protective screen with working platform

WONDERrab
WCL48

Multi-functional prefabricated modular steel falsework equipment system.



WONDERSteps!



WPFL W3SL

WONDERAluTower
WAT



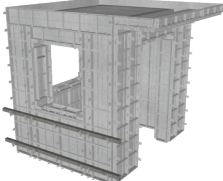
"Wonder Aluminum Tower"

FALSEWORK & FORMWORK

TYPICAL TOWER FLOOR

ALUMINUM FORMWORK

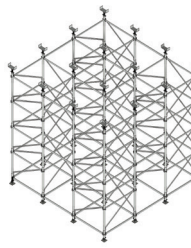
Aluminum handheld one-cast formwork system for typical floor concrete shell.



TRANSFER FLOOR

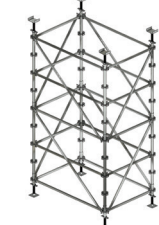
WONDERrab
WH60

Heavy duty modular shoring system c/w top & base beams.



WONDERrab
WCL48

Multi-functional prefabricated modular steel falsework equipment system.



PODIUM

pecaform

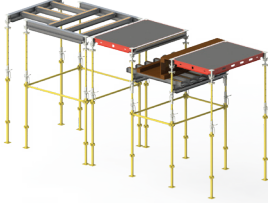
Prefabricated light weight left-in formwork system for pilecap, footing and ground beam.



SUBSTRUCTURE

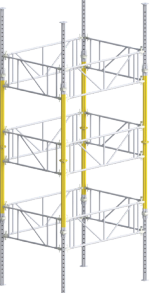
WONDERDeck
WF

Modular formwork system for big span slab and beam with early-stripping mechanism.



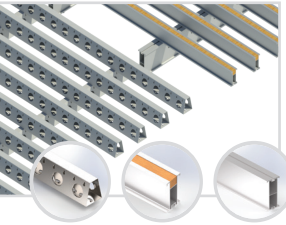
WONDERProp
AGP/AMP/AHP SHORING TOWER

Prop towers with enhanced stability and height mechanism.



WONDERBeam

Engineered beam for precise formwork and falsework applications

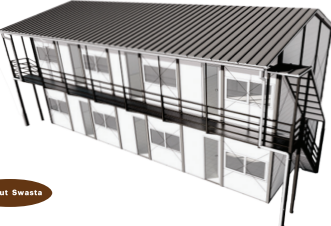


PRECAST LIFTING ACCESSORIES



TEMPORARY BUILDING

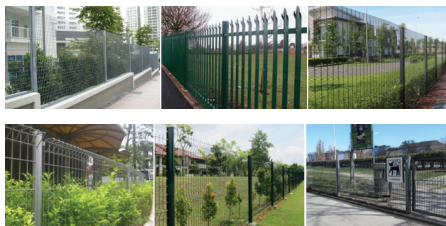
K21 MOBILE HOUSE
Temporary Building for construction site



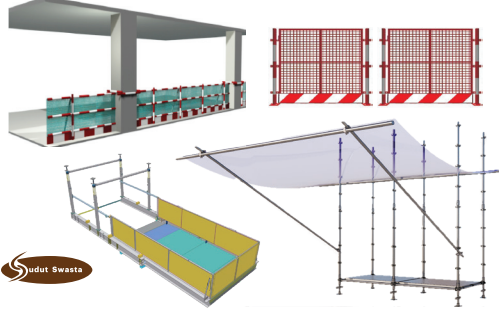


PERIMETER PROTECTION

PLYTEC fencing
Perimeter protection solutions



SAFETY ACCESSORIES



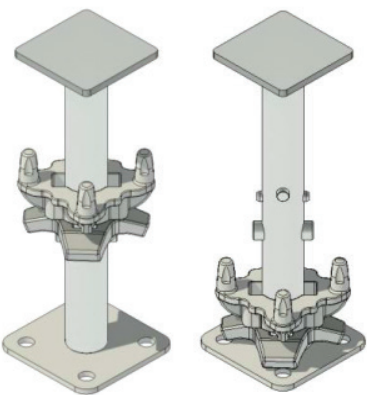


WONDERDeck™

Innovative slab formwork system - 3 integrated systems with Early Stripping Head (ESH)

Two Components System, Panel System

- Fast and straightforward system. Ideal for large flat slab areas.



Early Stripping Head (ESH)

EARLY STRIPPING HEAD (ESH)

- ✓ Safe Stripping Mechanism
- ✓ Improve Labour Productivity
- ✓ Reduce Time & Cost
- ✓ Simplify Modular Components
- ✓ Reduce Debris and Material Wastage at Site

①

②

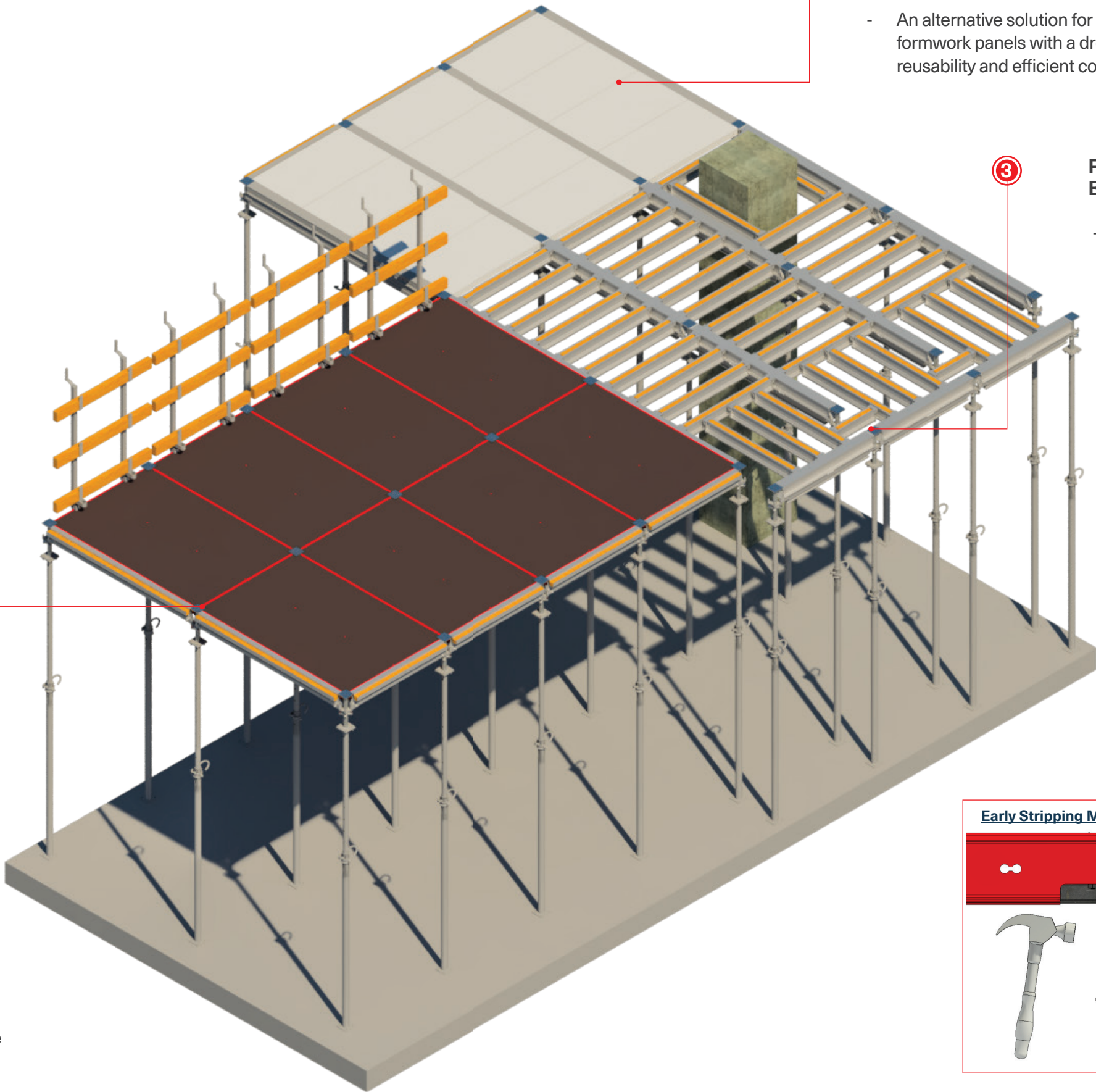
③

Three Components System, Panel and Beam System

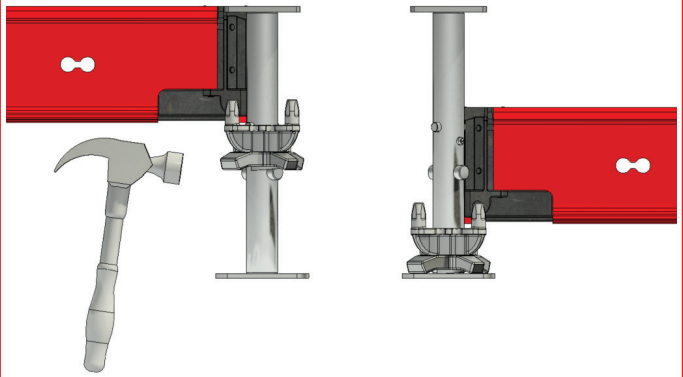
- An alternative solution for slab, utilising the modular aluminium formwork panels with a drop beam method-ensuring high reusability and efficient construction.

Four Component System, Primary Beam and Ledger System

- Designed for maximum flexibility, this system is ideal for complex slab geometries and construction around columns. It adapts easily to varied slab shapes and provides comprehensive support while providing early stripping capability.



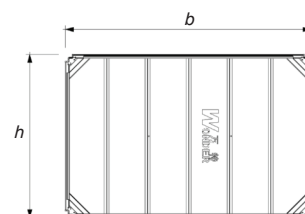
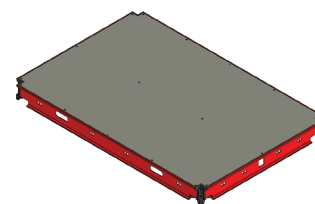
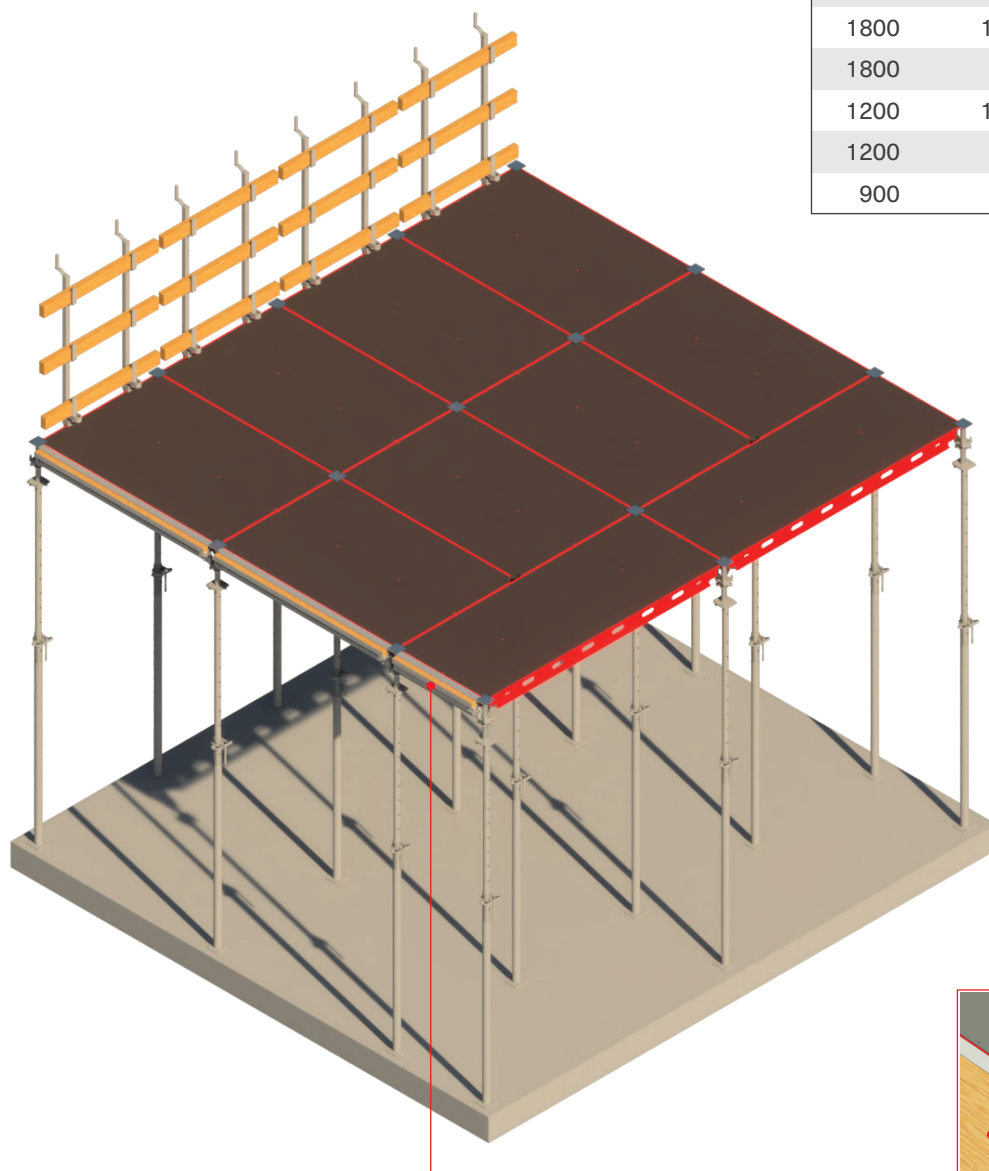
Early Stripping Mechanism



Components:

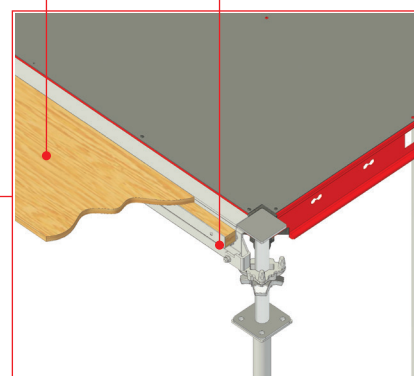
- [1] WONDERDeck™ Formwork Panel
- [2] Early Stripping Head (ESH)

AVAILABLE WONDERDECK™ FORMWORK PANEL SIZES			
300mm Modules		500mm Modules	
<i>b</i> (mm)	<i>h</i> (mm)	<i>b</i> (mm)	<i>h</i> (mm)
1800	1200	2000	1000
1800	900	1000	1000
1200	1200	1000	500
1200	600	500	500
900	900		



Filler Formwork Panel

Filler Carrier



Edge Filler Solution

WONDERDeck is the 3rd generation version of panel-prop Panel System with Early Stripping Head (ESH). The product that has been consistently improve and optimize with more than 12 years of industry track record to deliver higher safety and productivity performance in many countries.

WONDERDeck™

Two Components System, Panel System

Project References



Falsework & Formwork

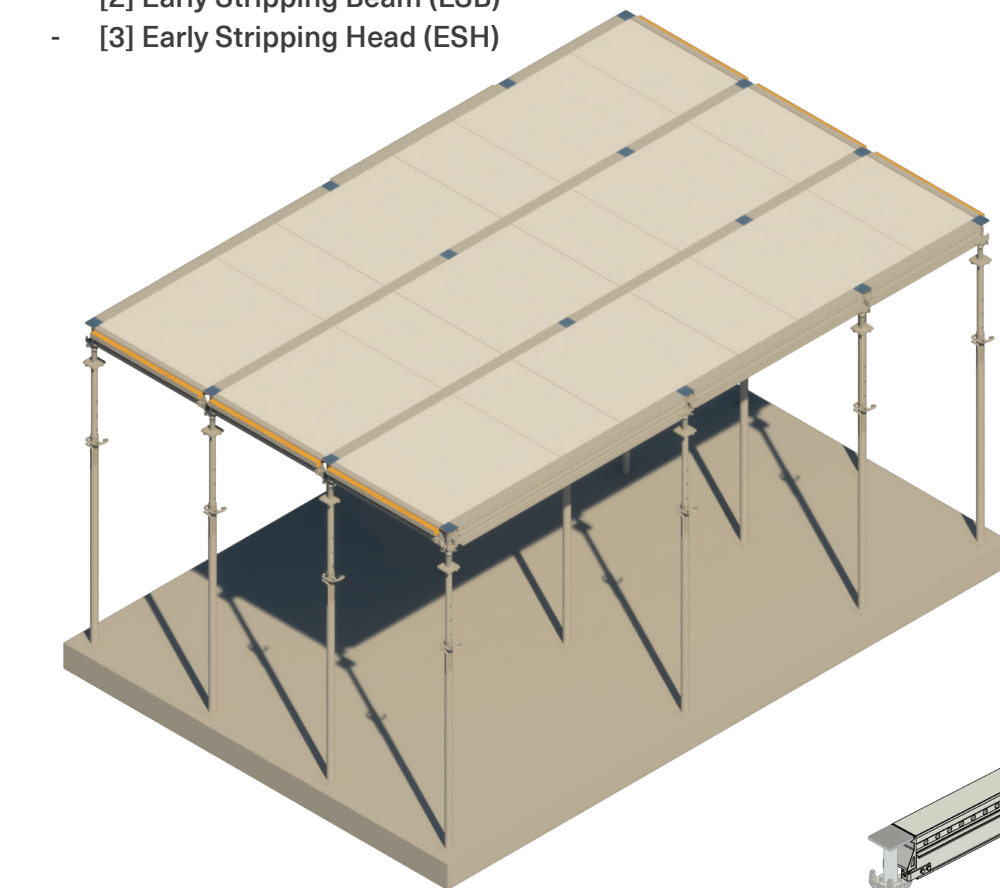


WONDERDeck™

Three Components System, Panel and Beam System

Components:

- [1] Aluminum Formwork Panel
- [2] Early Stripping Beam (LSB)
- [3] Early Stripping Head (ESH)



LSB SIZES

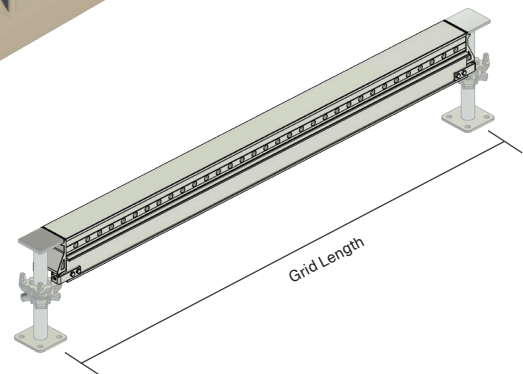
LSB Grid Length (mm)

2400

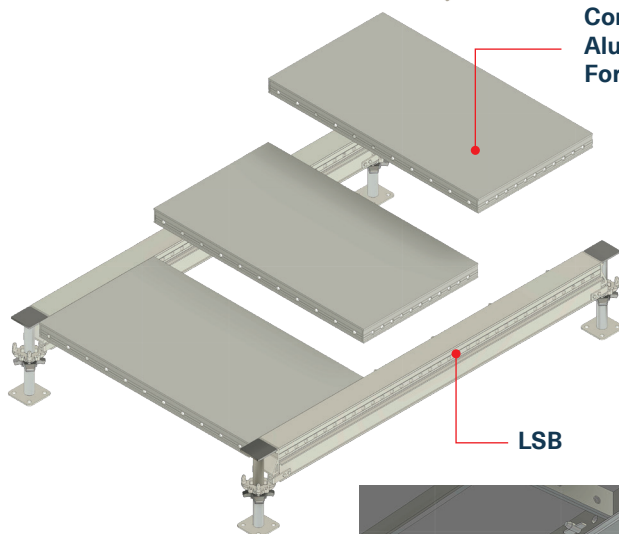
1800

1200

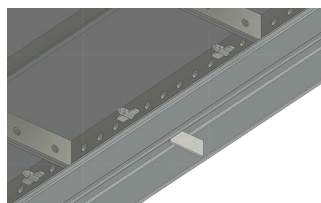
900



Conventional
Aluminum
Formwork Panel



LSB



Secures with Pin & Wedges

The WONDERDeck Panel & Beam System combines custom aluminium beams with modular aluminium panels to support slab construction, especially in projects requiring early stripping beams or additional load-bearing capacity. It ensures efficient load distribution, enabling high-quality slab finishes while offering flexibility and adaptability to diverse construction conditions.

WONDERDeck™

Three Components System, Panel and Beam System

Project References

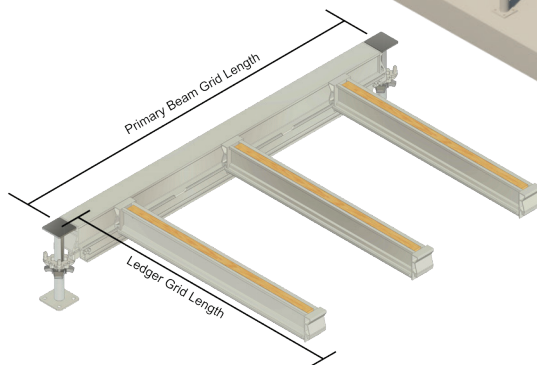
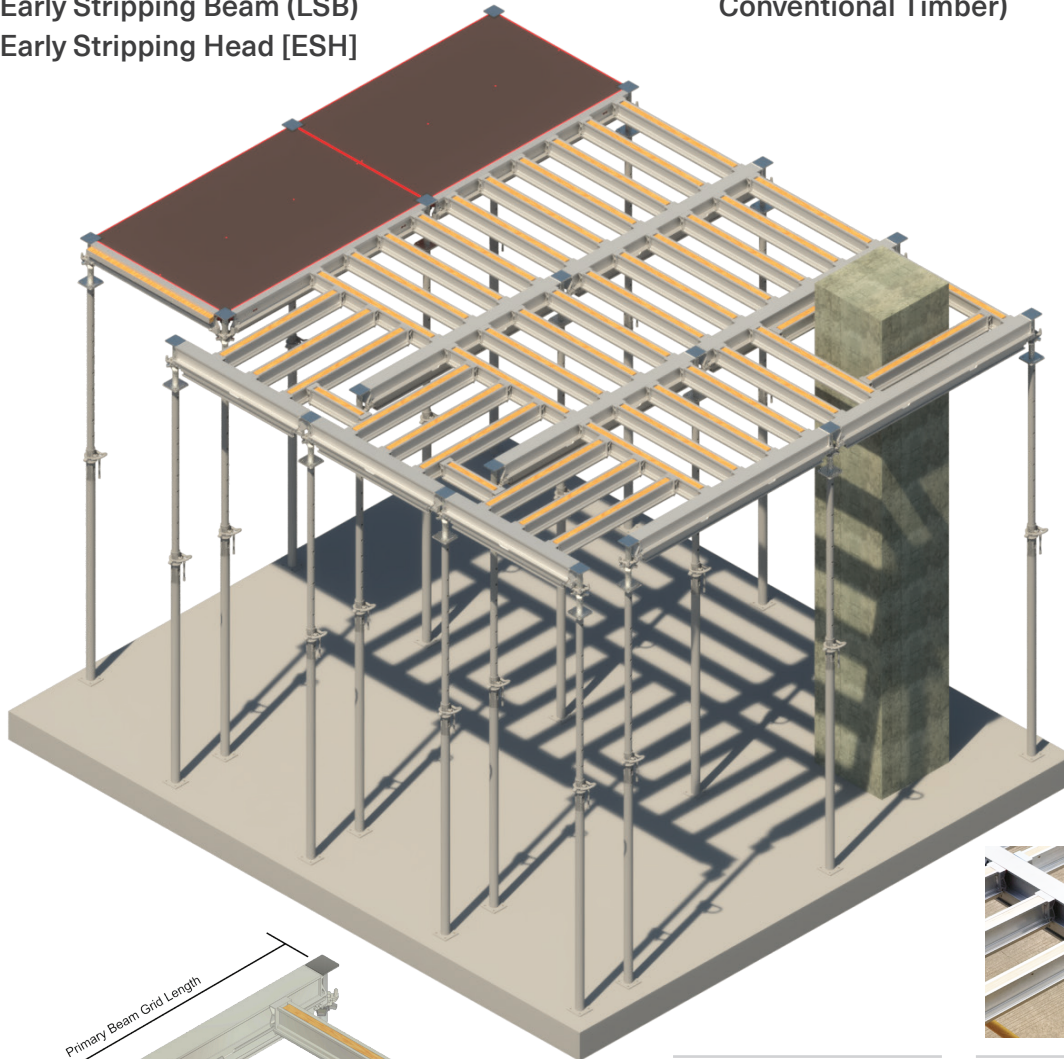


WONDERDeck™

Four Components System, Primary Beam and Ledger System

Components:

- [1] Aluminum Formwork Panel
- [2] Early Stripping Beam (LSB)
- [3] Early Stripping Head [ESH]
- [4] Formwork Panel (WONDERBoard or Conventional Timber)



PRIMARY BEAM GRID Length (mm)

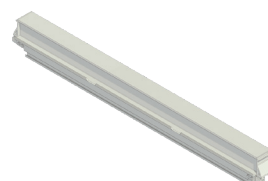
2400
800
1200
900

LEDGER GRID Length (mm)

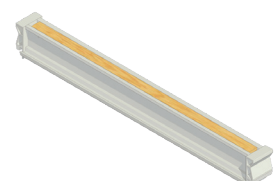
1800
1200
900



The WONDERDeck Primary Beam and Ledger System is a modular, grid-like formwork solution. It offers lightweight aluminium beams which empowers the flexibility during design. Combined with early stripping head it ensure early stripping in complex geometries.



Primary Beam

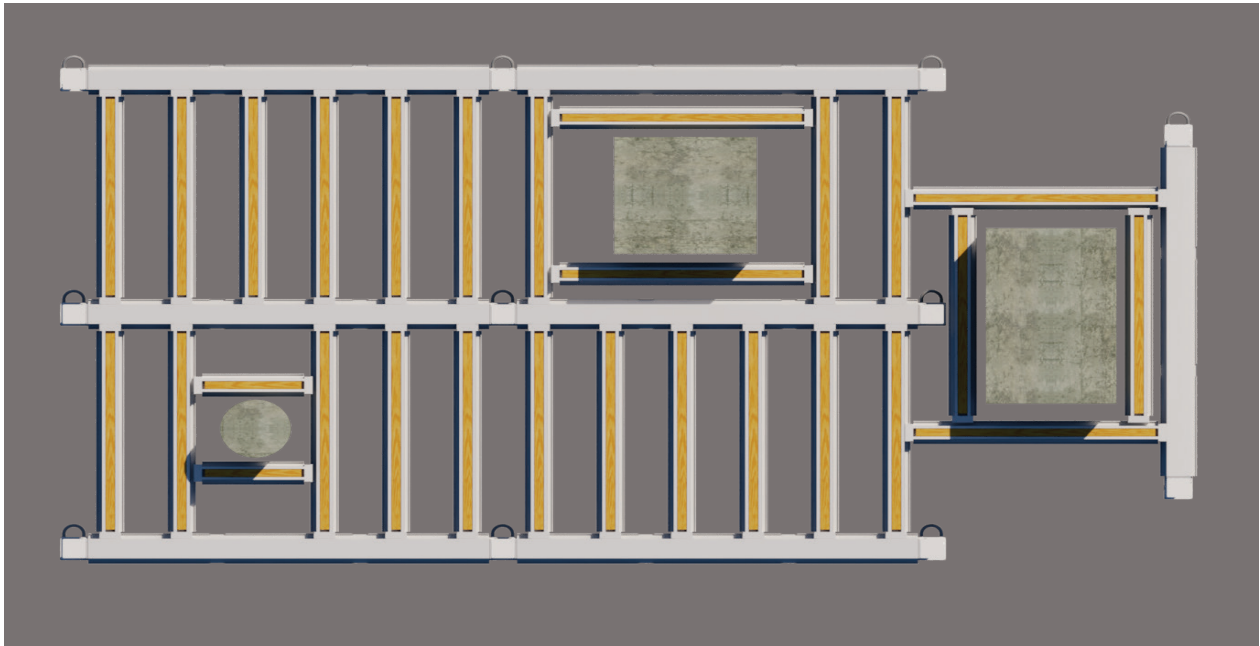


Ledger

WONDERDeck™

Four Components System, Primary Beam and Ledger System

Flexibility around the columns



Primary Beam and Ledger System can effectively arrange around obstruction. Ledger are designed to be able to stack on each other for adjustment required.

Flexible Ledger grid for difficult geometry



Integrable with Panel System

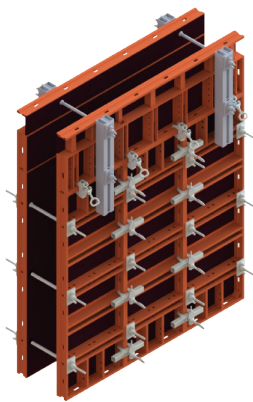
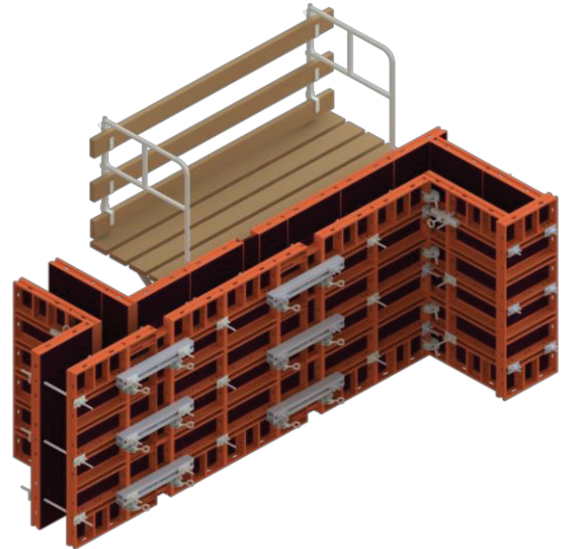


W100 - Wall & Column Formwork

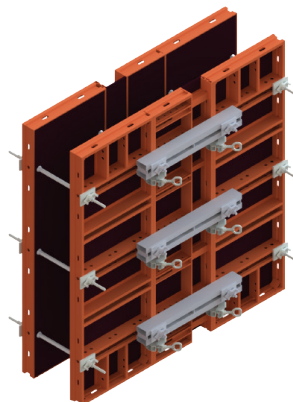
A total solution for slab, wall and column formwork

W100 system is a multi-functional formwork comprised of aluminum frame and plywood. It offers a total formwork solution for all wall and column construction with a high degree of flexibility. In combination with fixed and hinged corners, it allows the formation of any wall and rectangular shapes on site.

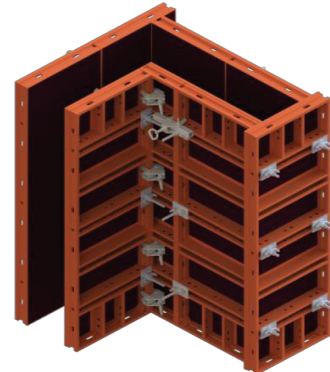
W100 system is compatible with WONDERDeck system to allow continuous casting of vertical and horizontal structural elements.



Horizontal adjustment panel



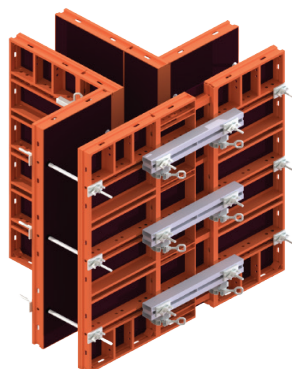
Vertical adjustment panel



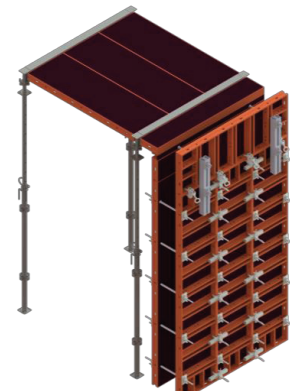
Right angle corner & wall end



Column formwork



T-shape wall



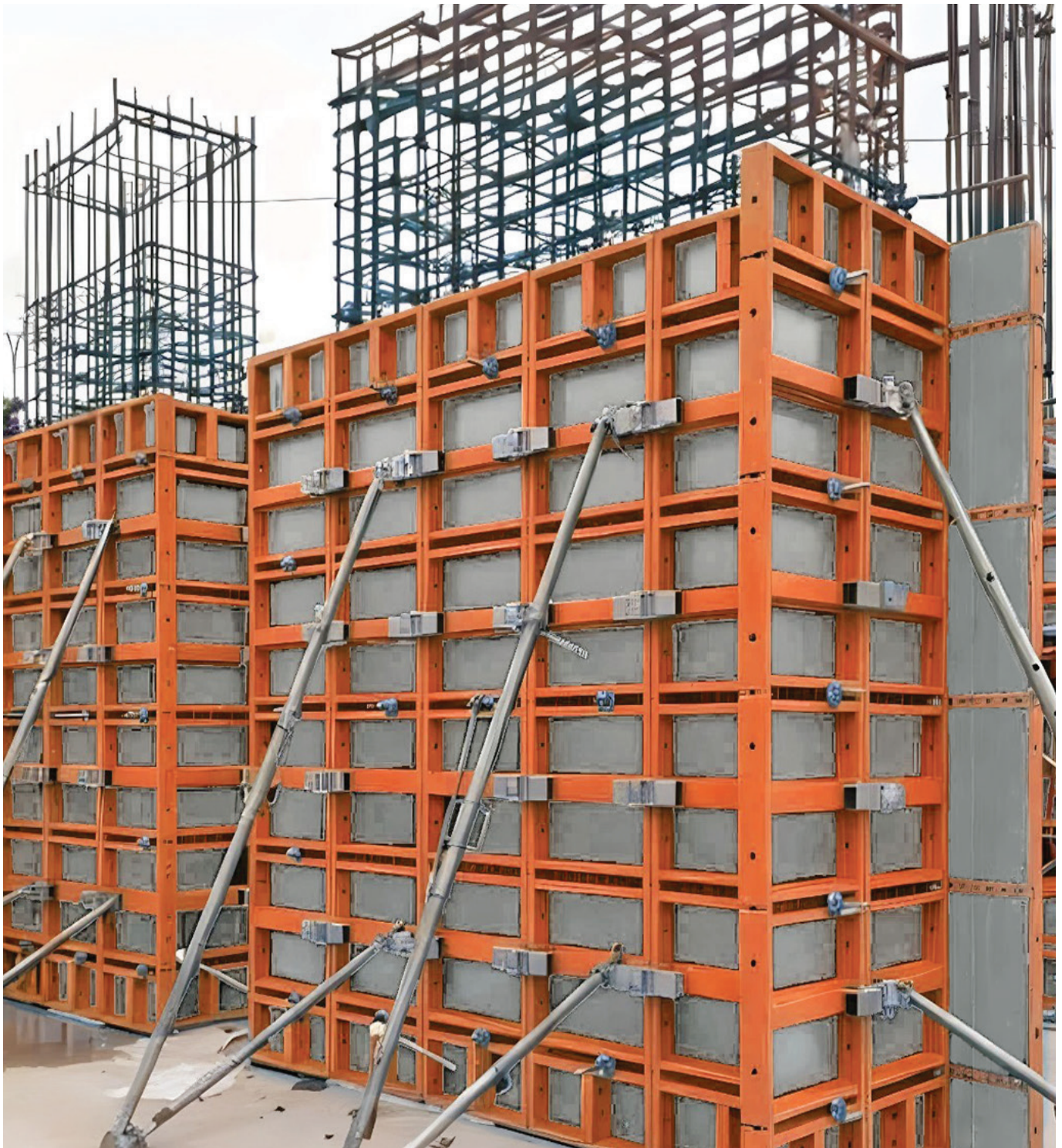
Integrated wall and slab

W100 - Wall & Column Formwork

A total solution for slab, wall and column formwork

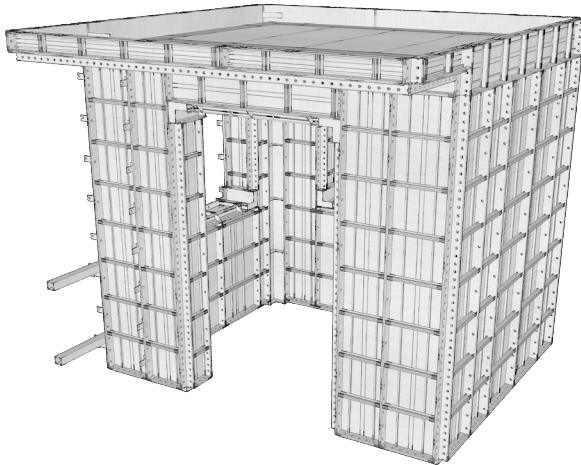
Project References

- P22048 @ WANGSA MAJU , ACADEMIC FACILITY BUILDING



ALUMINUM Formwork

IBS reusable one- cast formwork system



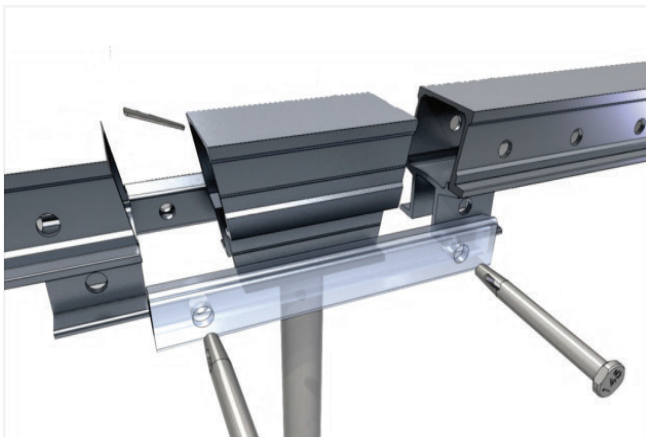
Aluminum Formwork is an IBS reusable one-cast system which allows monolithic pouring of wall, slabs, beams, stairs, window hoods and various decorative features in exact accordance with architects' and engineers' design.



ALUMINUM FORMWORK BENEFITS

- ✓ **Easy to Handle**
Every panel is engineered to be high strength and lightweight — can be handled by a single worker.
- ✓ **High Concrete Pouring Rate**
Early Stripping Theory — with one-floor forms and three-floor props, it enables pouring job of one floor in 3-4 days.
- ✓ **Great Recyclable Value**
Used aluminium material has greater recyclable value, over 35% higher than steel.
- ✓ **One-time Pouring**
The system allows for monolithic pouring of all walls, slabs, stairs, etc. which form a strong RCC framed structure.
- ✓ **Environmental Friendly**
There is no use of timber. All panels are made of aluminium; there is no galvanization.
- ✓ **More Reuses**
Reuse more than 300 times (subject to correct site practice).

BASIC COMPONENTS



Wedges

Size: 8 3x24.5x68mm



Pin

Size: ϕ 16x50mm
 ϕ 16x145mm



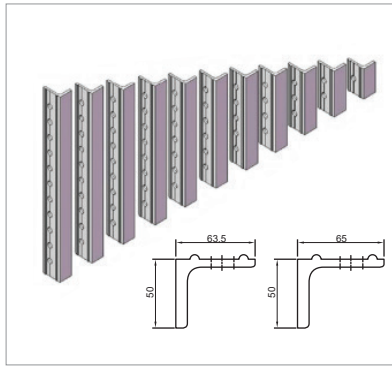
Fast Stripping Bar

Size: 26x46.8x348mm



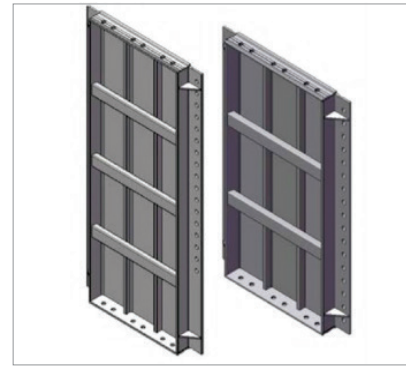
Slab Panel

Length: 100-1500mm
Width: 100-600mm



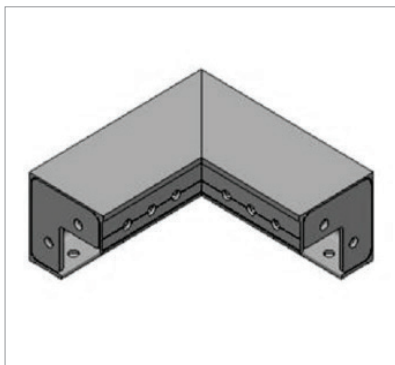
Foot Panel

Length: 100-650mm
Width: 65-50mm



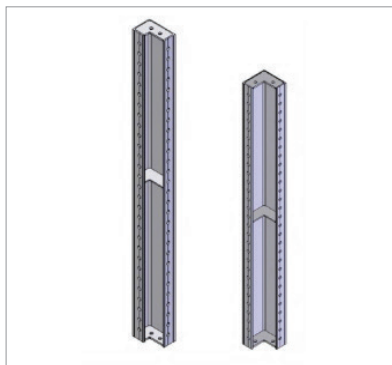
Beam Bottom Panel

Length: 300-1200mm
Width: 200-500mm



Outside Corner Panel

Length: (100/150/200/250/300/350)
X (100/150/200/250/300/350) mm
Width: 150-150mm



Trigonal Inside Corner Panel

Length: 100-2450mm
Width: 100-150mm / 150-150mm



Trepanning Panel

Length: 800-3000mm
Width: 100-600mm

TECHNICAL SPECIFICATION

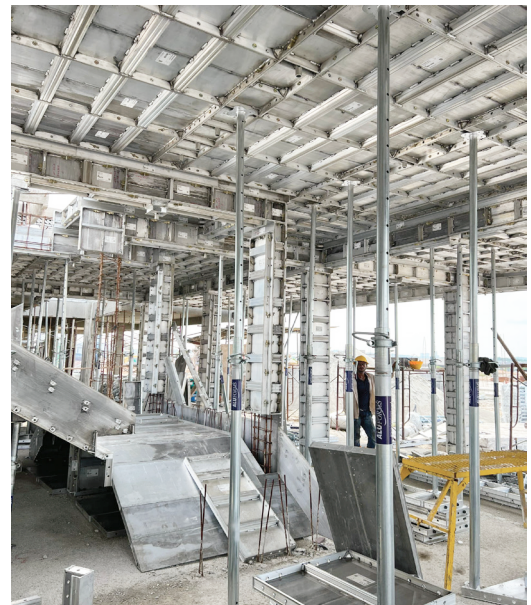
Item	Aluminum Formwork	Timber Formwork	Composite Steel Formwork	All-Steel Formwork
Panel Thickness	4mm Aluminum	15mm Plywood	2.5mm Steel Panel	6mm Steel Panel
Weight (kg/m ²)	20-25	10.5	35-40	85-95
Loadig Capacity	60 kN/m ²	30 kN/m ²	30 kN/m ²	60 kN/m ²
Turnover (Times)	more than 300	3-8	more than 100	/
Construction Difficulty	Easy	Hard	Hard	Hard
Assembly Speed	High	Low	Low	Low
Application Scope	All Structure Part	Wall, Column & Beam	Wall, Column & Beam	Wall, Column & Beam
Concrete Surface Quality	Easy to Achieve	Hard	Hard	Able to Achieve
Recycle Value	High	Low	Medium	Medium
Dependence on Tower Crane	Not dependent	Dependent	More dependent	<i>Most dependent</i>

ALUMINUM Formwork

IBS reusable one- cast formwork system

Project References

- P22035 @ SEMENYIH, SELANGOR, DOUBLE STOREY TERRECE HOUSE



ALUMINUM Formwork

IBS reusable one- cast formwork system

Project References

- P23156 @ PUCHONG, WYN RESIDENCE



pecaform™

Foundation Formwork

When *Speed* Counts!

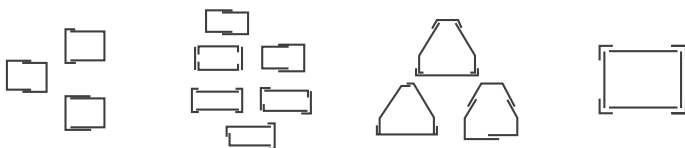
Pecaform™ is the result of many years of intensive research and development overseas. The basic material consists of a steel wire mesh with a heat-shrunk layer of polyethylene applied to both sides of the mesh.

This combination creates a material that is both light and structurally strong, making it extremely easy to handle.

PECAFORM™ BENEFITS

- ✓ Fast & Easy
- ✓ High Productivity
- ✓ Minimal Labour Input
- ✓ Enhance Site Safety
- ✓ Light Weight
- ✓ Flexible & Easy Shaping
- ✓ Zero Debris Removal
- ✓ Minimize Excavation

TYPICAL LAYOUTS *for different pile cap configurations*



Single Pile

Double Pile

Triple Pile

Multiple Pile

APPLICATIONS

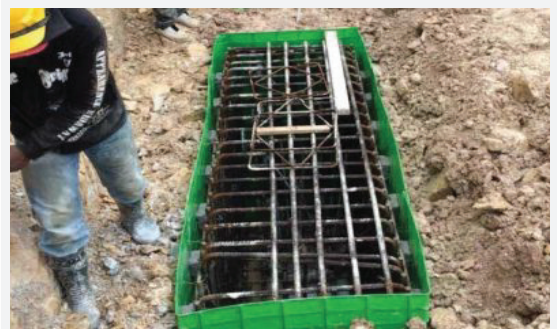
Ground beams, Footings and bases, Pile caps, Temporary fencing, Safety Screens, Others..

PECAFORM™ Installation Method



Installation

01



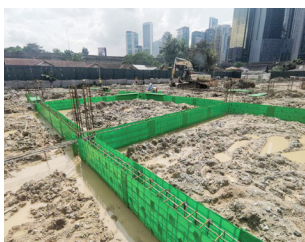
Backfill

02



Casting

03



TECHNICAL SPECIFICATION

PECAFORM™ STANDARD SHEET SIZES

Height (mm)	Width (mm)
600	2250
900	
1200	
1500	
1800	

PERFORMANCE COMPARISON

PERFORMANCE DIMENSIONS	PECAFORM™	CONVENTIONAL (TIMBER / PLYWOOD)	ALUMINIUM / STEEL FORMWORK	ADVANTAGES OF PECAFORM™
SPEED	Faster	Slower	Medium	• Early Completion • Saving in Preliminaries cost • Client Incentives • Less dependent on weather
INVESTMENT COST	Low	Low	High	• Low Investment Cost
LABOUR REQUIREMENT	Lower	Higher	Medium	• Less Reliance on Skilled Labour • Lower Labour cost
SKILLS	General Workers	Skilled Carpenters & General Workers	Skilled Workers	• Saving in Labour cost • Availability > Speed
INSTALLATION	Light & Easy	Tedious & Times Consuming	Simple but Skilled Labour required	• Save Time • Saving in Labour cost
DEBRIS REMOVAL	Not required	Required	Not required	• Saving in Debris Removal cost • Save the Environmental/Forest
LIFTING DEVICE/ CRANAGE	Man handled	Cranage required	Cranage required	• Saving in Machinery / Cranage cost • Saving in Operator cost
STORAGE REQUIREMENT	Minimum	High	High	• Smaller storage space • More working space
FROMWORK REMOVAL	Not required	Required	Required	• Save Time
ENVIRONMENTAL ACCEPTANCE	Environmental friendly	High Rate of Timber Consumption & Burning	Environmental friendly	• Complies with Legislation • Save the Forest
SITE CLEANLINESS	Neat and clean	Untidy, Dangerous and Hazardous	Neat and clean	• Enhance Site Sfety • Improve Productivity
CORPORATE IMAGE	Excellent	Poor	Good	• Enhance Corporate Image

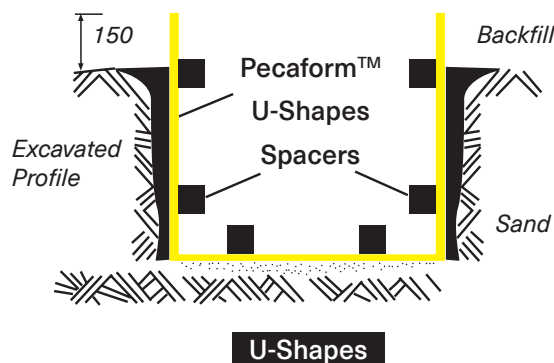
PECAFORM™ STANDARD	
Main Wire size (Nominal)	5.5 mm diameter
Main Wire spacing	150 mm c/c
Cross Wire size (Nominal)	4 mm diameter
Cross Wire spacing	100mm c/c
Wire specification	High tensile steel of tensile strength 500 N/mm² - Non Galvanised
Polyethylene film	0.12 mm thick - One Layer Each side
Polyethylene colour (*)	Green
Weight	2.64 kg/m²
Standard size a) Width b) Height	2250 mm Can be varied According to Order Requirements

FOUNDATION - BASES

Bases can be constructed from either **L-shapes** or **flat strips of Pecaform™** similar to either beam or pile cap construction. Lean concrete blinding is applied in the traditional manner, and the reinforcement cage complete with spacer blocks at the bottom is lowered onto the blinding.

Pecaform™ is then placed against the side of the cage and spaced off the reinforcement with strips of long spacers, bar chairs or equivalent.

Backfill excavation up to 150mm from the top of the **Pecaform™** to prevent contamination.



BEAM OPTIONS

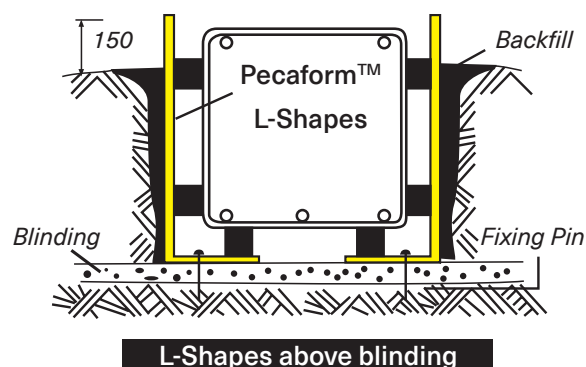
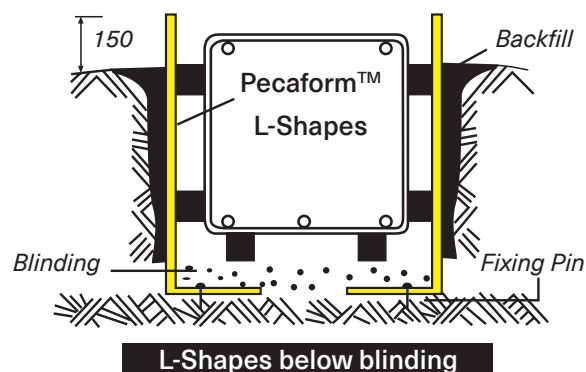
Ground beams can be divided into **2 categories**:

Suspended Beams (on piled foundation)

The ground on which the beam is constructed should be capable of safely supporting the weight of the wet concrete during construction. Only nominal surface compaction is required and a thin layer of sand blinding to level the formation and bed-in the beam soffit may be necessary.

Ground Bearing Beams

These are founded in the bearing strata. Therefore, a thin layer of sand may be used as blinding to bed-in the Pecaform™. Unless supported independently, Pecaform™ relies on backfill to counteract the pressure exerted by the concrete pour. Suitable spacers attached to the reinforcement cage ensure the beam profile is maintained.

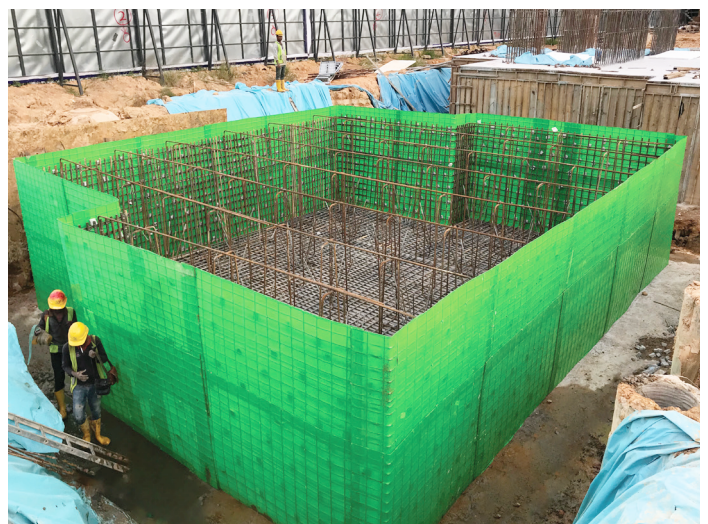
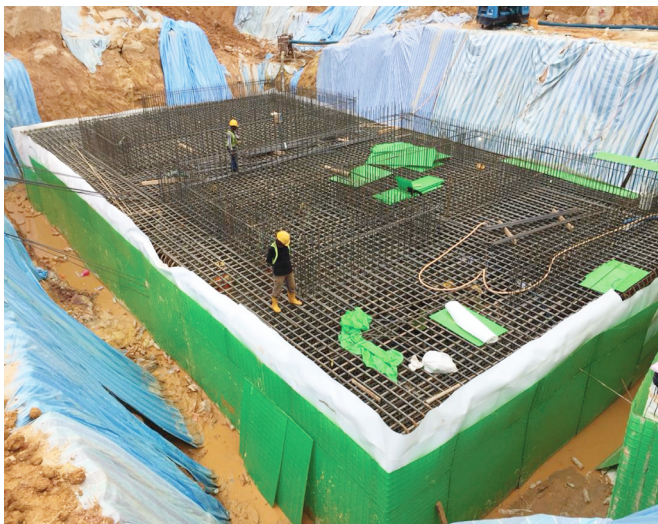


pecaform™

Foundation Formwork

*When **Speed** Counts!***Project References**

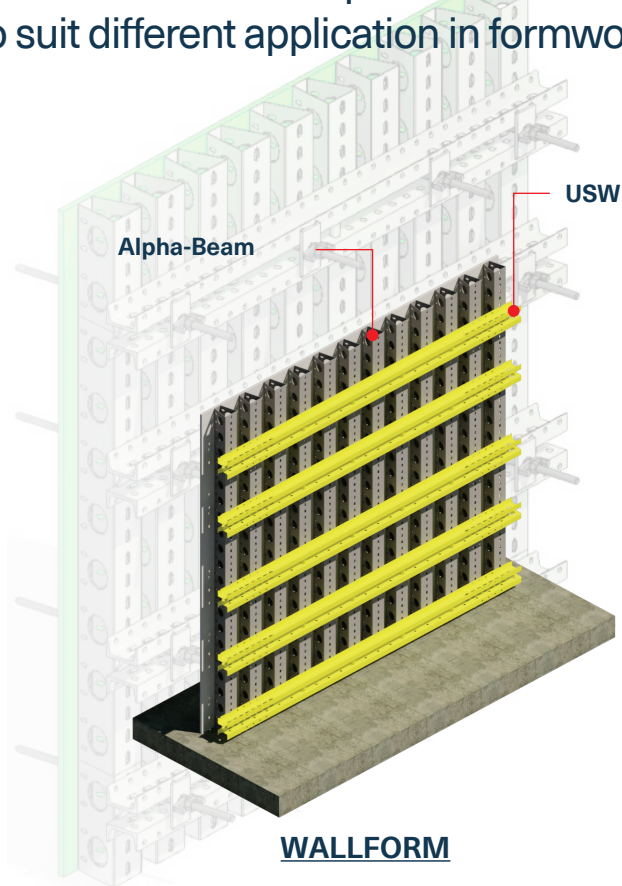
- P23158 @ NORTH KIARA, KL, RESIDENTIAL BUILDING



WONDERBeam Engineering Beam for Temporary Works Application

Overview

WONDERBeam comprised of steel and aluminum series. Both are engineered to suit different application in formwork and falsework application.



WONDERBEAM PRODUCTS

STEEL SERIES

Alpha-Beam

Universal Water Beam
(UWB)

ALUMINUM SERIES

WAB225H

WAB150H

WAB140I

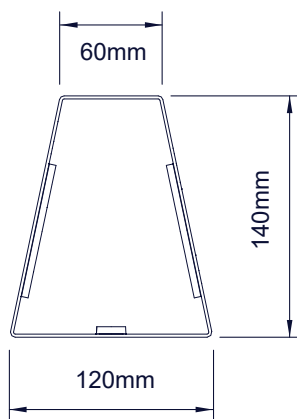
WONDERBeam Engineering Beam for Temporary Works Application

Alpha-Beam

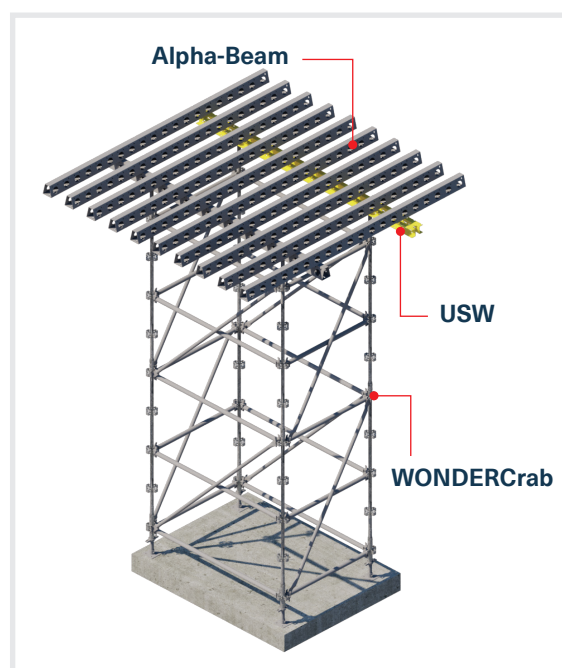
A high-strength, heavy-duty steel beam for falsework and formwork, offering superior load capacity, durability, and corrosion resistance. Ideal for robust structural support in demanding construction environments.

Mechanical Properties

Permissible Moment, M	8.05	kNm
Permissible Shear, V	14.34	kN
Flexural Strength, EI	330	kNm ²
Weight	5.0	kg/m



Falsework & Formwork

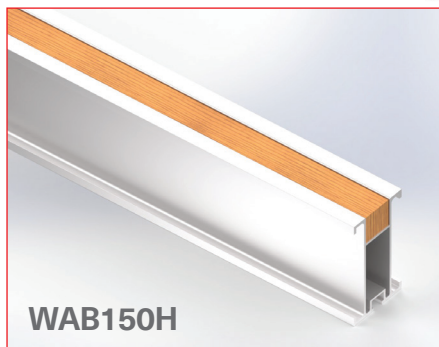
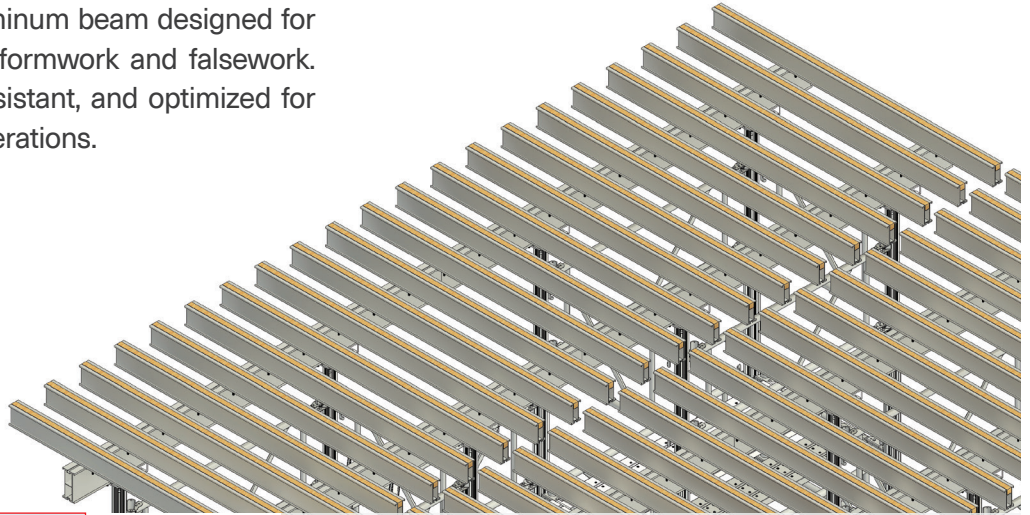


Tableform Solution. WONDERBeam and WONDERCrab

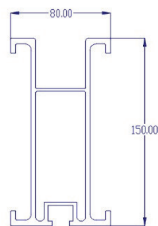
WONDERBeam Engineering Beam for Temporary Works Application

Alu-Beam

A lightweight yet strong aluminum beam designed for efficient load distribution in formwork and falsework. Easy to handle, corrosion-resistant, and optimized for faster assembly and safer operations.



WAB150H

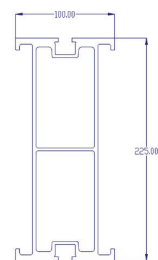


Mechanical Properties

Permissible Moment, M	7.2	kNm
Permissible Shear, V	36.9	kN
Flexural Strength, EI	265.2	kNm ²
Weight	3.7	kg/m
Weight (With Timber Infill)	4.7	kg/m

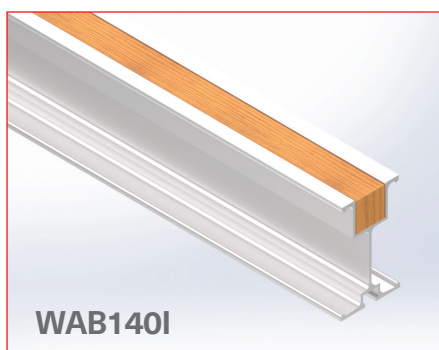


WAB225H

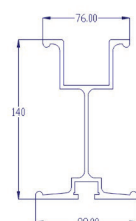


Mechanical Properties

Permissible Moment, M	31.1	kNm
Permissible Shear, V	63.2	kN
Flexural Strength, EI	1630.6	kNm ²
Weight	9.0	kg/m



WAB140I



Mechanical Properties

Permissible Moment, M	10.2	kNm
Permissible Shear, V	40	kN
Flexural Strength, EI	394.2	kNm ²
Weight	5.2	kg/m
Weight (With Timber Infill)	6.2	kg/m

WONDERBeam Engineering Beam for Temporary Works Application

Project References

- P23007 @ PASIR GUDANG, JOHOR, DOUBLE STOREY WAREHOUSE



WONDERBoard™

For Sustainable Construction

Our Circular Economy Program—Your ESG Enhancement

At PLYTEC POLYMER, sustainability is not just a commitment — it is embedded in every WONDERBoard™ panel we produce. Designed for exceptional strength, reusability, and long-term cost-efficiency, WONDERBoard™ leads the formwork industry in aligning with global ESG (Environmental, Social, Governance) goals and true circular economy principles.



CIRCULAR ECONOMY In Action



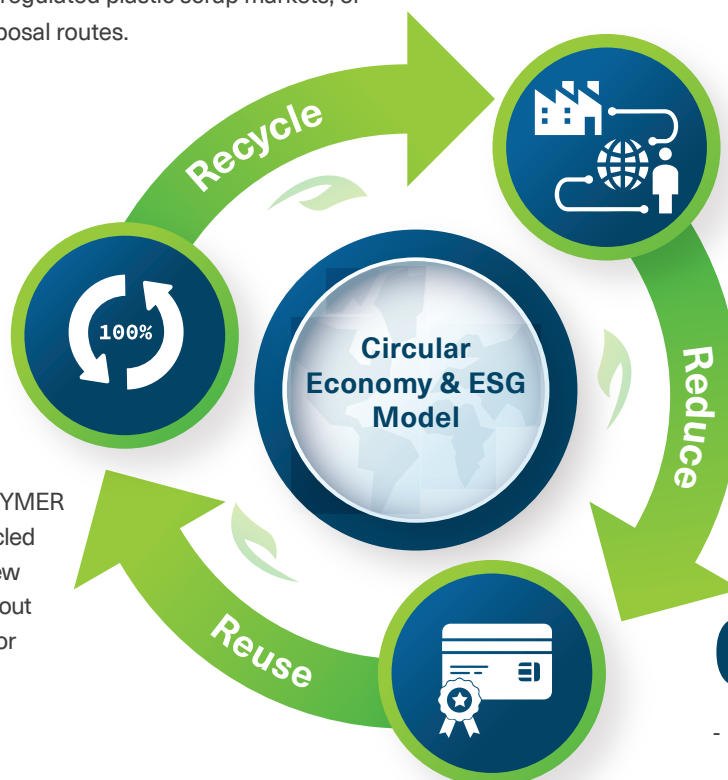
The ∞ infinity symbol in the WONDERBoard™ logo represents our closed-loop lifecycle model — a guarantee that no WONDERBoard™ panel ends up in landfills, unregulated plastic scrap markets, or environmentally harmful disposal routes.



03

100% Recycled & Reused

- All collected panels are returned to PLYTEC POLYMER where they are fully recycled and reengineered into new WONDERBoards — without compromise in strength or durability. This creates a zero-waste production ecosystem.



01

Distributors & Buyers as Return Network

- Every official WONDERBoard™ distributor and product buyer will enter into a Circular Economy Pledge, committing to return all end-of-life WONDERBoard™ panels through our established distribution network.

02 Client Incentive Program

- Users who return used WONDERBoard™ panels to authorized collection hubs will receive a credit discount toward their next purchase — rewarding responsible disposal while enhancing long-term distributor-client relationships.

Here's how our system works

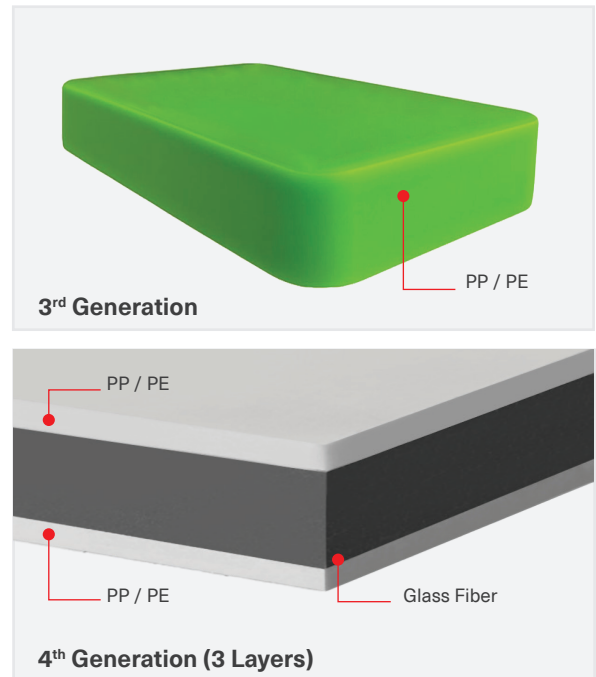
WONDERBoard™

For Sustainable Construction

Our Circular Economy Program—Your ESG Enhancement

A revolutionary engineered plastic panel made from a unique formulation of Polypropylene (PP) and Polyethylene (PE). Designed to address the challenges faced by builders and developers in the construction industry, WONDERBoard™ offers unparalleled durability, cost-effectiveness, and environmental sustainability.

This cutting-edge panel is set to replace traditional form-lining and face-sheet materials like steel, aluminium, and phenolic plywood, offering a superior alternative that meets the industry's evolving needs.



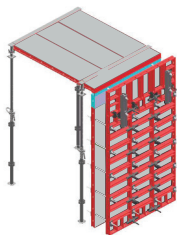
Falswork & Formwork

WONDERBoard™ BENEFITS

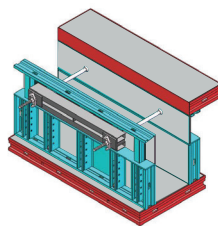
- ✓ 100% PVC Free
- ✓ Easy Maintenance
- ✓ Waterproof
- ✓ Dimensional Stability
- ✓ Circular Economy Model
- ✓ Light Weight
- ✓ Repairable
- ✓ Easy Installation
- ✓ High Impact Strength
- ✓ Reusable over 200 Times

WONDERBoard™ VERSATILITY IN FORMWORK APPLICATIONS

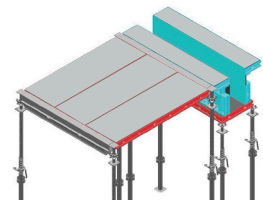
WONDERBoard™ is highly adaptable product specifically used in various formwork applications. Formwork refers to temporary or permanent moulds used to shape concrete or other materials while they set.



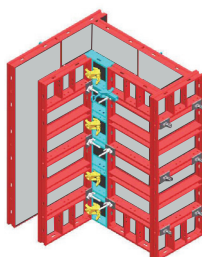
Slab & Wall Formwork



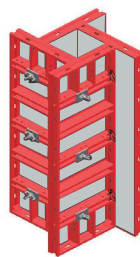
Beam Formwork



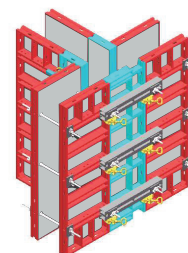
Slab & Beam Formwork



2 direction Wall Formwork



Column Formwork



Multiple Direction Wall

Our Circular Economy Program—Your ESG Enhancement

WONDERBoard™ SIZES AND SPECIFICATIONS

Standard Size	Area (m ²)	Standard Size	Area (m ²)
1.8m x 12.m	2.16	2.4m x 12.m	2.88
Thickness (mm)	Weight (kg)	Thickness (mm)	Weight (kg)
10	21.12	10	28.17
11	23.24	11	30.98
12	25.35	12	33.80
13	27.46	13	36.62
15	31.69	15	42.25
17	35.91	17	47.88
18	38.02	18	50.70
20	42.25	20	56.33



Remark:

Size & Thickness: Subject to ±3% tolerance.
Custom sizes & thickness are available upon request, with width up to 1500mm and thickness up to **30mm**.*

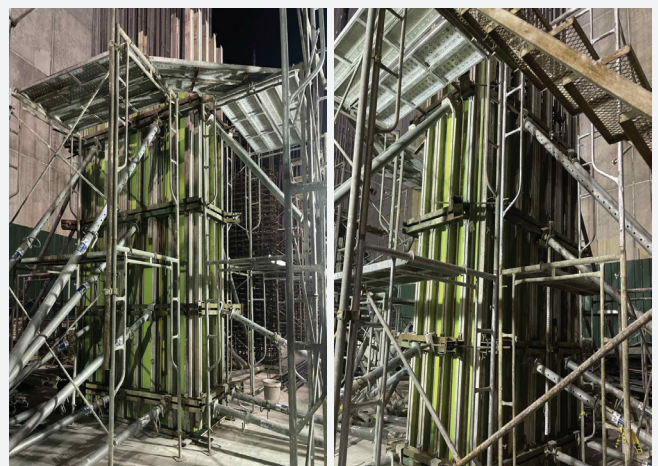
WONDERBoard™ with H20 Beam

- COLUMN SIZE: 1115 X 1115 X 4650MM



WONDERBoard™ with 140 Aluminum Beam

- COLUMN SIZE: 900 X 2200 X 4200MM



Our Circular Economy Program—Your ESG Enhancement

Project References



WONDERProp

EN1065 Adjustable Telescopic Steel Prop

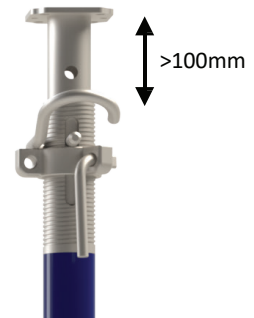
The Adjustable Steel Prop is designed in accordance with EN 1065, engineered to deliver optimal strength-to-weight performance based on the nominal characteristic strength specified in the standard.

It serves as a robust vertical support component commonly used in construction for temporary shoring applications. It is specifically designed to support formwork, beams, and concrete slabs during casting and curing phases.

SPECIFICATIONS

				
EN 1065 Class A	EN 1065 Class B	EN 1065 Class C	EN 1065 Class D	EN 1065 Class E

PROP	PROP A	PROP B	PROP C	PROP D	PROP E
Product Code	PA300 PA350	PB320 PB350	PC300 PC350	PD350 PD400	PE350 PE400



Product Features:

- Certified according to EN 1065
- Anti-hand trapping gap of over 100 mm
- Permanent anti-disengagement system
- Minimum adjustable length of 1.0 m
- Rapid adjustment
- Available in painted and hot-dip galvanized finishes



WONDERProp

EN1065 Adjustable Telescopic Steel Prop

Project References

- P22172 @BANDAR KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR



Falswork & Formwork



- P23097@MUKIM BANDAR JOHOR BAHRU, JOHOR DARULTAKZIM

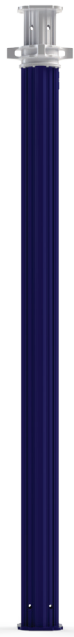
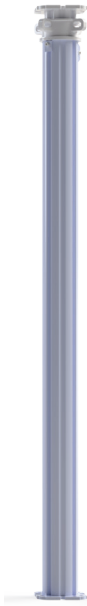
WONDERProp

BS EN 16031 Adjustable Telescopic Aluminium Prop

The Adjustable Aluminium Prop is designed in accordance with BS EN 16031, engineered to deliver optimal strength-to-weight performance based on the nominal characteristic strength specified in the standard.

It serves as a reliable vertical support for temporary shoring, ideal for formwork, beams, and slabs, and it can be seamlessly integrated into table formwork systems for efficient on-site operations.

SPECIFICATIONS

			
<i>Aluminum General-Duty Prop (AGP)</i>	<i>Aluminum Medium-Duty Prop (AMP)</i>	<i>Aluminum Heavy-Duty Prop (AHP)</i>	<i>Aluminum Super-Duty Prop (ASP)</i>

Specification	AGP	AMP	AHP	ASP
Product Code	AGP350 AGP400	AMP350 AMP500	AHP350 AHP625	ASP350 ASP480

Adjustment Device

AGP/AHP/ASP
BS EN16031 TYPE1
(Threaded Inner Tube)



AMP
BS EN16031 TYPE2
(Pin and Collar Nut)



Product Features:

- Certified according to BS EN16031
- Anti-hand trapping gap over 100mm
- Permanent anti-disengagement system
- Rapid adjustment
- Powder-Coated finishes



WONDERProp

BS EN 16031 Adjustable Telescopic Aluminium Prop

Project References

- P23007 @ PASIR GUDANG, JOHOR, DOUBLE STOREY WAREHOUSE



WONDERProp

Permissible Load Capacity of Steel Prop

Permissible Load Capacity of Steel Prop: (Selection Table)

The permissible load capacity is determined in accordance with BS 5975, Clause 16.9.6.3, by applying a load factor of 1.5 and a material factor of 1.1.

Extension Length (m)	PROP A		PROP B		PROP C		PROP D		PROP E	
	EN 1065 Class A		EN 1065 Class B		EN 1065 Class C		EN 1065 Class D		EN 1065 Class E	
	PA300	PA350	PB320	PB350	PC300	PC350	PD350	PD400	PE350	PE400
1.7	26.7				36.1					
1.8	26.7		30.9		36.1					
1.9	25.7		30.9		36.1					
2.0	23.2	26.7	30.9	30.9	36.1	36.1	20.6		30.9	
2.1	21.0	24.5	29.9	30.9	36.1	36.1	20.6		30.9	
2.2	19.2	22.4	27.2	29.8	36.1	36.1	20.6	20.6	30.9	
2.3	17.5	20.4	24.9	27.3	35.1	36.1	20.6	20.6	30.9	
2.4	16.1	18.8	22.9	25.0	32.2	36.1	20.6	20.6	30.9	30.9
2.5	14.8	17.3	21.1	23.1	29.7	34.6	20.6	20.6	30.9	30.9
2.6	13.7	16.0	19.5	21.3	27.4	32.0	20.6	20.6	30.9	30.9
2.7	12.7	14.8	18.1	19.8	25.4	29.7	20.6	20.6	30.9	30.9
2.8	11.8	13.8	16.8	18.4	23.7	27.6	20.6	20.6	30.9	30.9
2.9	11.0	12.8	15.7	17.2	22.1	25.7	20.6	20.6	30.9	30.9
3.0	10.3	12.0	14.7	16.0	20.6	24.0	20.6	20.6	30.9	30.9
3.1		11.3	13.7	15.0		22.5	20.6	20.6	30.9	30.9
3.2		10.6	12.9	14.1		21.1	20.6	20.6	30.9	30.9
3.3		9.9		13.3		19.9	20.6	20.6	30.9	30.9
3.4		9.4		12.5		18.7	20.6	20.6	30.9	30.9
3.5		8.8		11.8		17.7	20.6	20.6	30.9	30.9
3.6								20.6		30.9
3.7								20.6		30.9
3.8								20.6		30.9
3.9								20.6		30.9
4.0								20.6		30.9

Note:

- Permissible load capacity is based on a single prop without bracing.
- Tested results may be used to derive the Safe Working Load, applying a factor of safety (FOS) of 2.0 in accordance with BS 5975, Clause 16.9.6.3.

WONDERProp

Permissible Load Capacity of Aluminium Prop

Permissible Load Capacity of Aluminium Prop: (Selection Table)

The permissible load capacity is determined by conservative calculation and applying a load factor of 1.5 and a material factor of 1.2.

Extension Length (mm)	General-Duty Prop (AGP)		Medium-Duty Prop (AMP)		Heavy-Duty Prop (AHP)		Super-Duty Prop (ASP)	
	BS16031 Class E	BS16031 Class D	BS16031 Class R	BS16031 Class E	BS16031 Class V	BS16031 Class E	BS16031 Class W	BS16031 Class R
	AGP350	AGP400	AMP350	AMP500	AHP350	AHP625	ASP350	ASP480
2.0	55				91		93	
2.1	53		64		90		93	
2.2	52		64		89		92	
2.3	50		63		88		91	
2.4	48		62		86		90	
2.5	46	46	61		85		89	
2.6	45	45	60		84		88	88
2.7	43	43	58		82		86	86
2.8	41	41	57		80		93	85
2.9	39	39	55		78		84	84
3.0	37	37	54		76		82	82
3.1	35	35	52		75		81	81
3.2	33	33	51		73		79	79
3.3	32	32	50	50	70		77	77
3.4	31	31	48	48	68		75	75
3.5	29	29	46	46	66		74	74
3.6		28		45				71
3.7		27		43				70
3.8		25		41				67
3.9		24		40				66
4.0		23		38				64
4.1				37				61
4.2				35				60
4.3				34		50		57
4.4				33		48		56
4.5				32		46		54
4.6				31		44		52
4.7				29		42		51
4.8				28		41		49
4.9				27		40		
5.0				26		38		
5.1						37		
5.2						36		
5.3						34		
5.4						33		
5.5						32		
5.6						31		
5.7						30		
5.8						29		
5.9						28		
6.0						27		
6.1						27		
6.2						26		
6.3						25		

Note:

- Permissible load capacity is based on a single prop without bracing.
- Tested results may be used to derive the Safe Working Load, applying a factor of safety (FOS) of 2.0 in accordance with BS 5975, Clause 16.9.6.3.



Versatile modular scaffolding and shoring

[1] WH60 WONDER Heavy Duty Shoring System

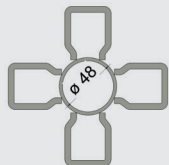
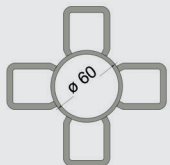
[2] WCL48 WONDERCrab Lock Modular Shoring System

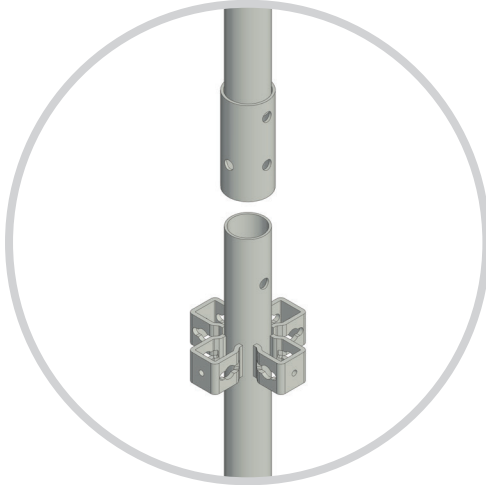
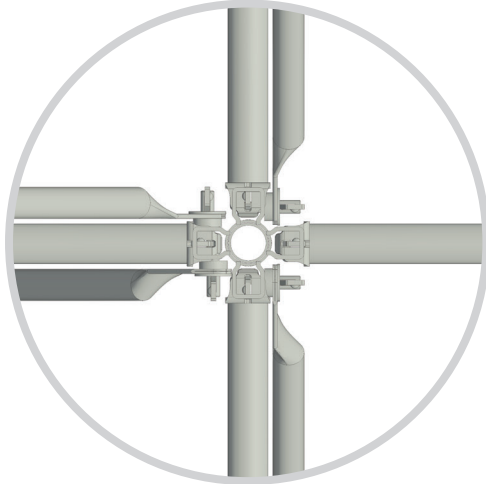
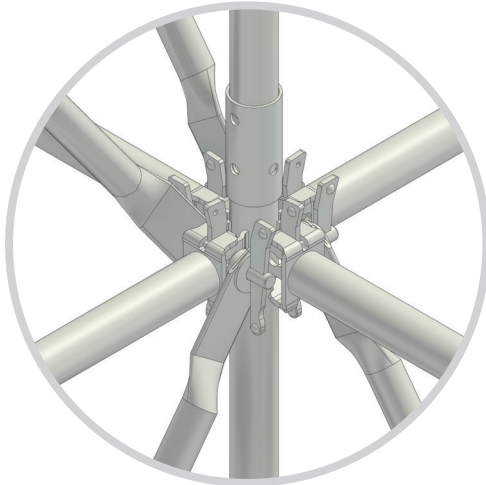
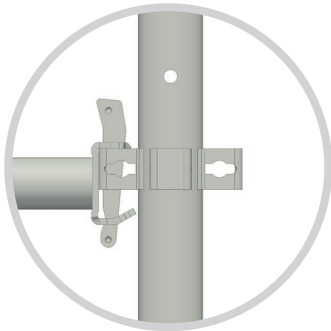
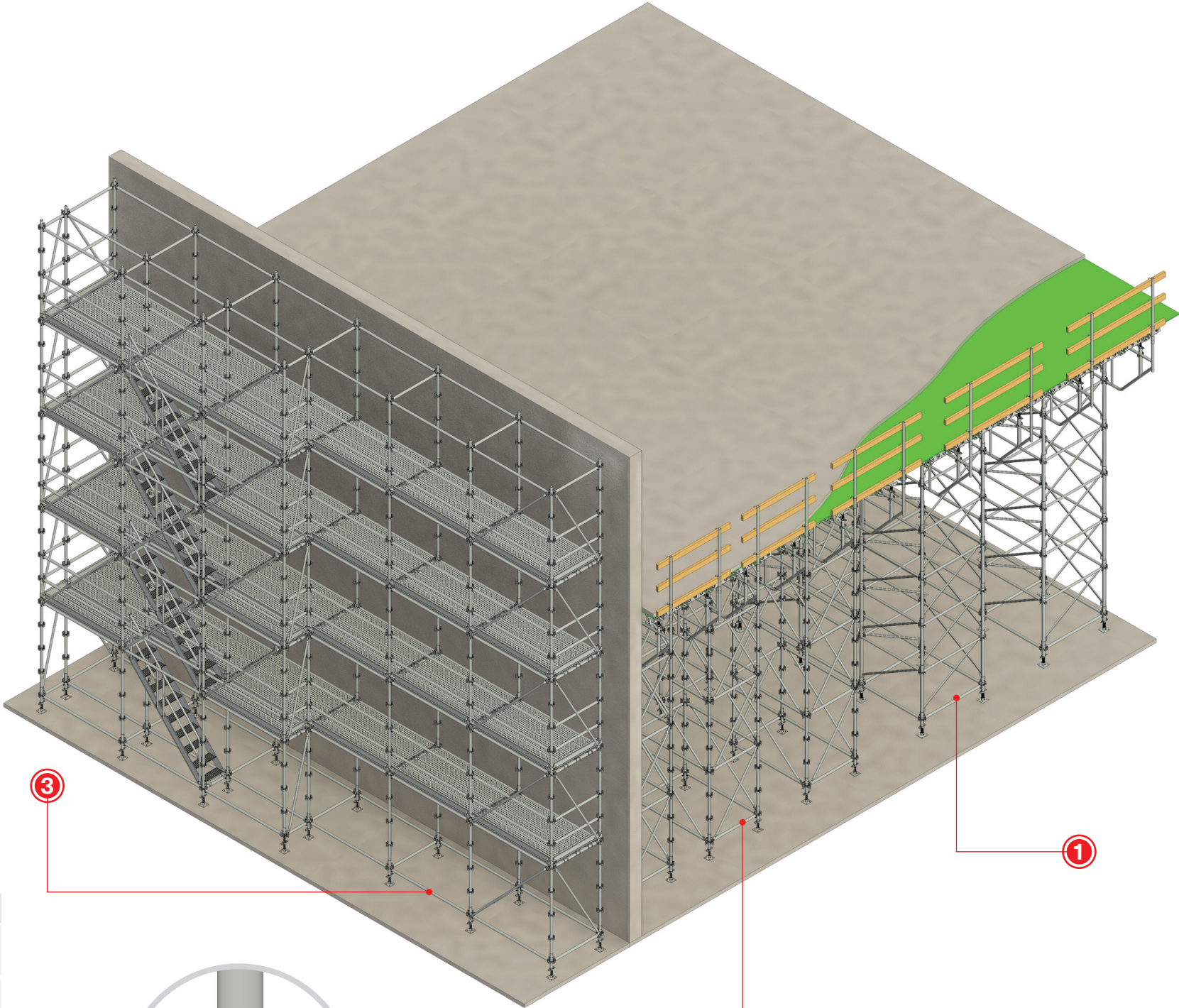
[3] WCL48 WONDERCrab Lock Modular Scaffolding System

The WONDERCrab system is a modular steel framework engineered for both scaffolding and shoring applications. It is designed to provide reliable structural support while maximizing operational efficiency throughout the construction process.

The WONDERCrab Lock system features a specially engineered lock mechanism that enables fast, secure, and flexible assembly. Each ledger is equipped with a C-Shape Wedge that locks onto a stirrup integrated into the vertical member. This allows ledgers to be connected from any orthogonal direction with minimal effort.

The Vertical Member allows up to eight components to connect at a single joint, including four ledgers and four diagonal braces. This enables quick, stable, and flexible assembly.

System	WCL48	WH60
Application	Scaffolding and General Duty Shoring	Heavy-Duty Shoring
Ultimate Capacity	68kN	133kN
Diameter	48mm	60mm
Profile		



Falseswork & Formwork

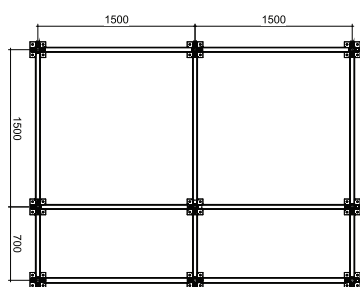
Scaffold & Access



WH60 WONDER Heavy-Duty Shoring System

WH60 Shoring System is a high-capacity modular steel shoring system, engineered for applications requiring exceptional load-bearing performance, such as high-rise construction, bridge formwork, and heavy civil infrastructure works.

WH60 system includes two tower types:



WH60 T-Frame Shoring Tower

- Modular design available in **700mm** and **1500mm** widths, enabling efficient assembly and high load-bearing performance.

a) WH60 T-Frame Shoring Tower

» **High load capacity and rapid assembly:**

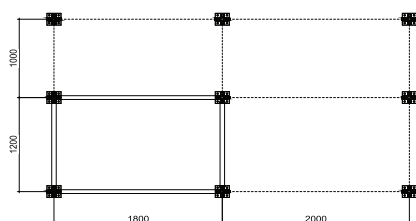
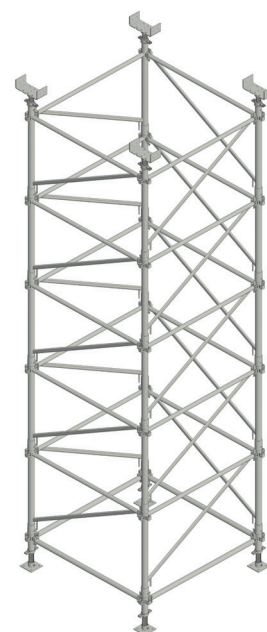
The T-Frame is a single welded unit with integrated vertical, horizontal, and diagonal members, offering high load capacity and quick assembly.

» **Ultimate Load Capacity:**

133 kN per leg

» **Application Areas:**

Large transfer floor area.



WH60 Post-Ledger Shoring Tower

- Modular design available in **300mm** and **500mm** incremental configurations, offering flexibility for various layouts.

b) WH60 Post-Ledger Shoring Tower

» **Flexible Tower Configuration:**

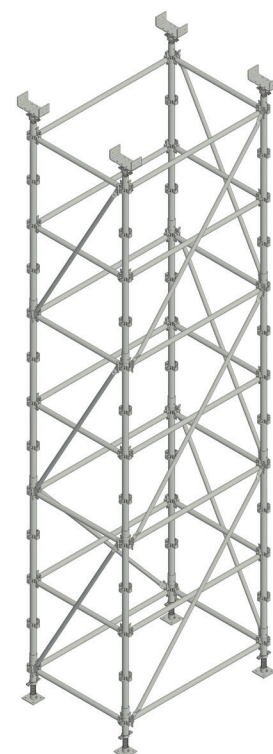
Supports various bay widths and overlapping setups to suit complex layouts.

» **Ultimate Load Capacity:**

116 kN per leg

» **Application Areas:**

Suitable for confined or irregular spaces requiring flexible tower positioning and high load demand.

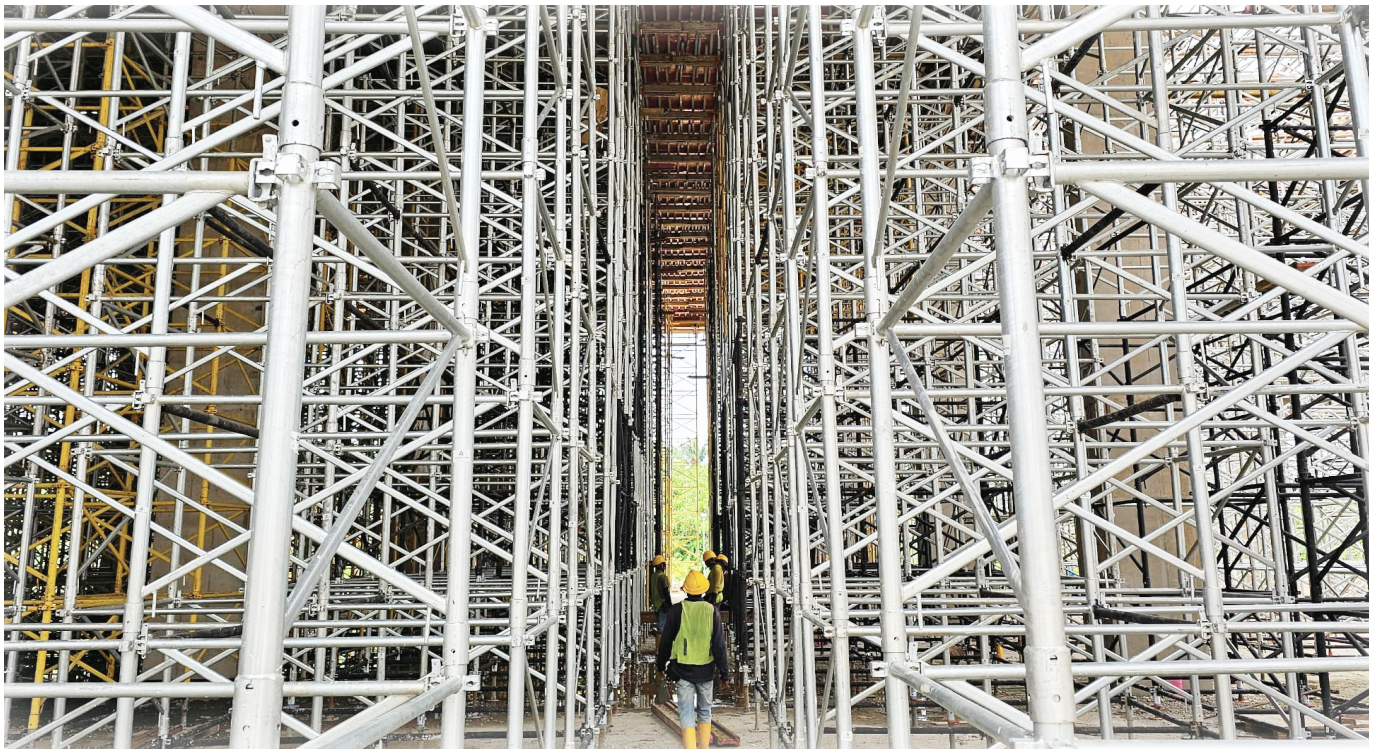




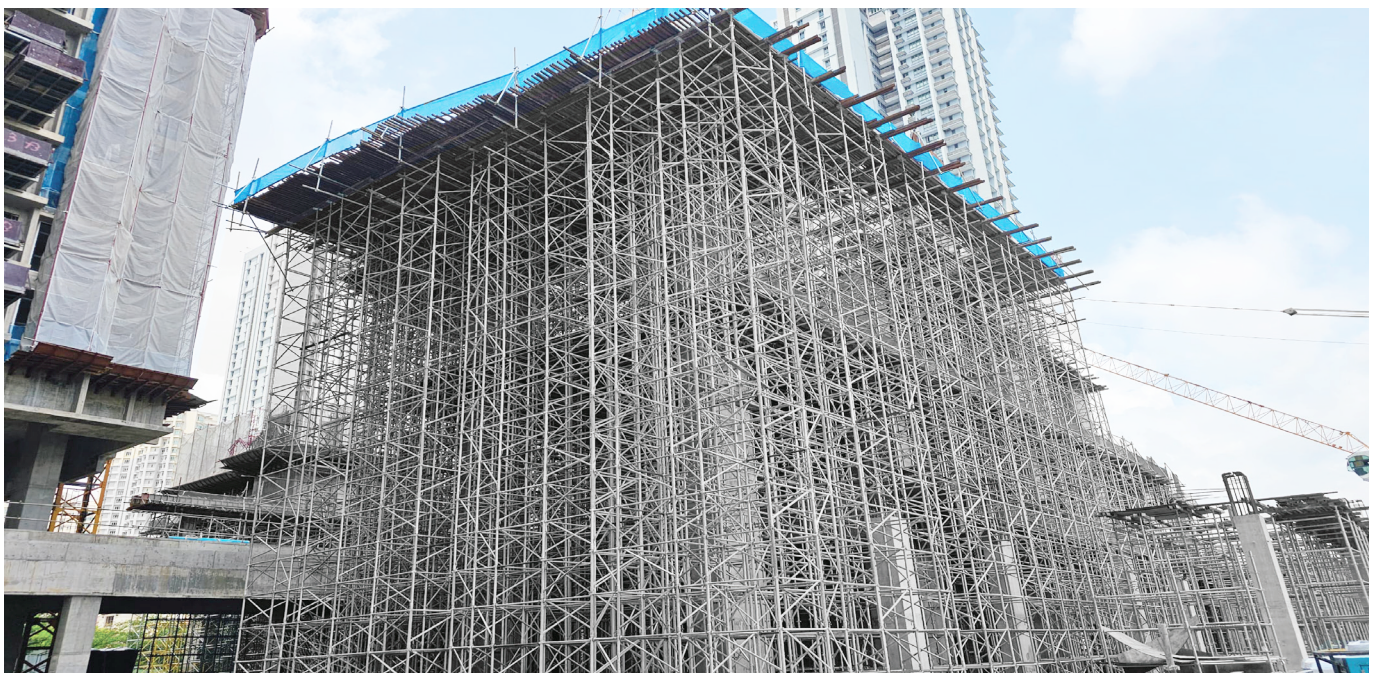
WH60 WONDER Heavy-Duty Shoring System

Project References

- P23173 @ BATU KAWAN, PENANG, TWO STOREY WAREHOUSE



Falswork & Formwork



- P23039 @ MONT KIARA, KL, RESIDENTIAL BUILDING



WCL48 WONDERCrab Lock Modular Shoring System

The WCL48 shoring system is a high-performance, prefabricated modular steel falsework solution engineered for optimized load capacity.

Its modular design enhances efficiency, adaptability, and ease of assembly, making it ideal for construction projects that demand both strength and flexibility — while minimizing weight for improved handling and transportation.

WCL48 Shoring Tower:

» Strength-to-Weight Optimized:

Optimized strength-to-weight ratio for faster transport, handling, and assembly.

» Flexible Tower Configuration:

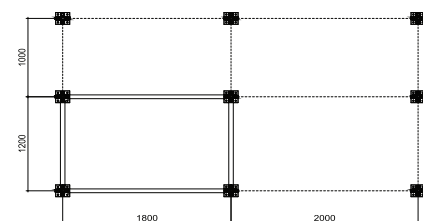
Supports various bay widths and overlapping setups to suit complex layouts.

» Ultimate Load Capacity:

68kN per leg

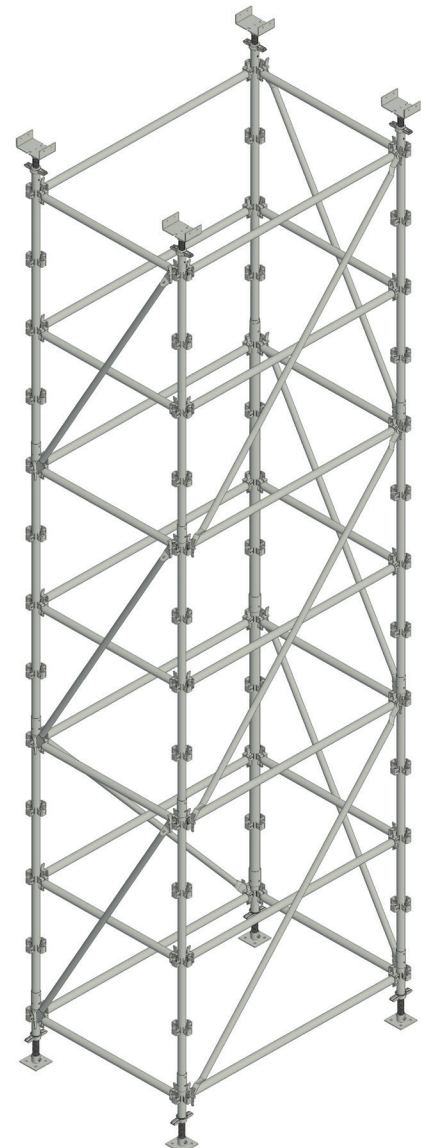
» Application Areas:

Suitable for confined or irregular spaces requiring flexible tower positioning and medium load demand.



WHCL48 Shoring Tower

- Modular design available in **300mm** and **500mm** incremental configurations, offering flexibility for various layouts.





WCL48 WONDERCrab Lock Modular Shoring System

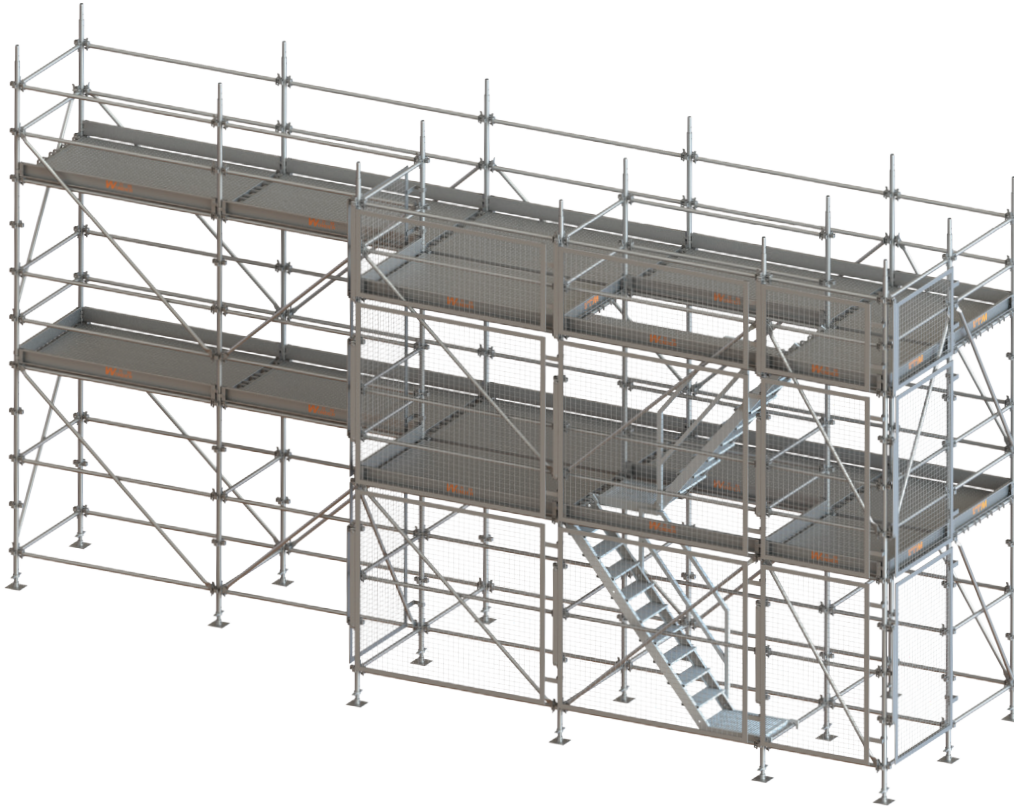
Project References

- P22083 @ KUCHAI LAMA, KL, RESIDENTIAL BUILDING





WCL48 WONDERCrab Lock Modular Scaffolding System



WONDERCrab Lock (WCL48) scaffolding is an innovative, multi-functional, prefabricated modular steel scaffolding system. Designed for efficiency and adaptability, it integrates aluminum scaffold components to enhance safe access solutions. The system shares all components with WH60, except for the primary load-bearing component, making WCL48 a more versatile and lightweight solution while maintaining high structural integrity and load capacity.

Metal Scaffolding / Prefabricated Scaffolds
/ Temporary Works Equipment:

- MS 1462-3&4
- BS EN12810-1&2
- BS EN12811-1

✓ **Quality and durable**

Product finished with hot dipped galvanized (HDG) surface treatment.

✓ **Easy to handle**

Optimized for storage space and transportation payload.

✓ **Flexible and reliable**

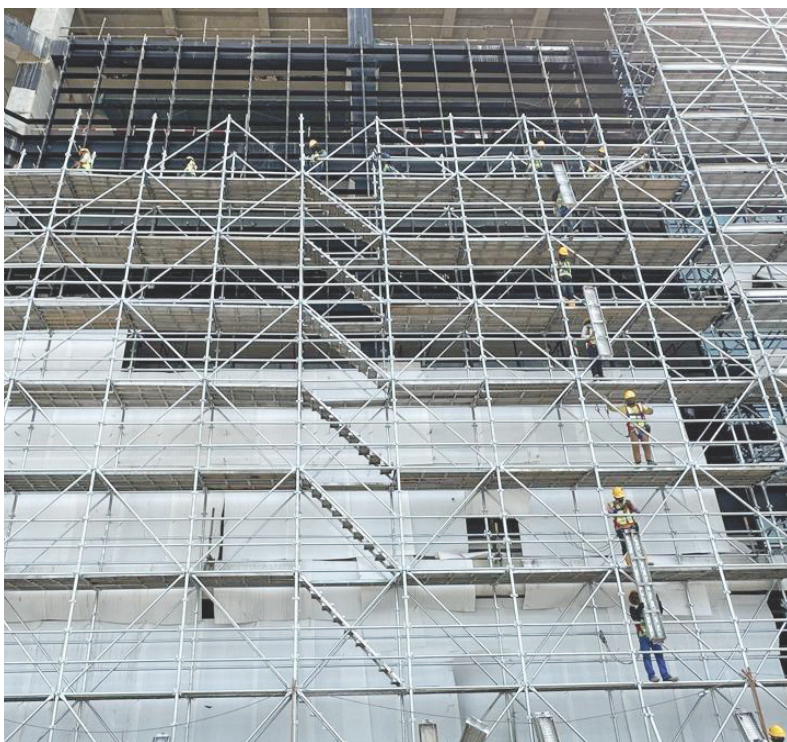
Lightweight and modular components allows for quick installation and dismantling with minimal labour



WCL48 WONDERCrab Lock Modular Scaffolding System

Project References

P21093 @ BATU KAWAN, PENANG , SEMI CONDUCTOR FACTORY



WONDERAluTower (WAT)

Mobile Access Platform



WONDERAluminum Tower (WAT) is a light weight, high strength, fast and easy-to-assemble system perfectly used as mobile access platform for work at multiple heights. WAT adopts the 3T (Through The Trapdoor) method to enhance the safety of its users.

Available in seven (7) series of designs, the self-supporting tower offers a wide range of solutions for the professional trades working in all environments – indoors and outdoors; narrow or spacious. The towers are manufactured from high-strength access aluminium alloy and have exceptional quality and long-life durability.

Product Tested and Complied with:

- EN 1004 Class 3
 - AS/NZS 1576.1~1576.3 and AS/NZS 1577
- Load bearing capacity up to 200kg/m²

✓ Rapid assembly by one person

✓ Stable and safe at height

✓ Highly versatile

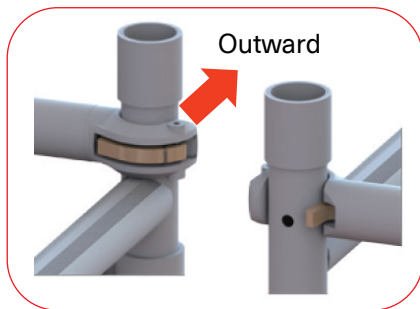
Various design for multiple heights and sizes

✓ Easy to handle

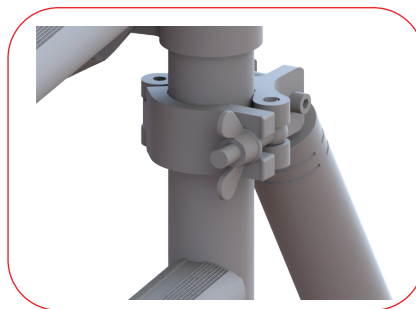
Optimized for storage space and transportation payload

WONDER^{Alu}Tower (WAT)

Mobile Access Platform



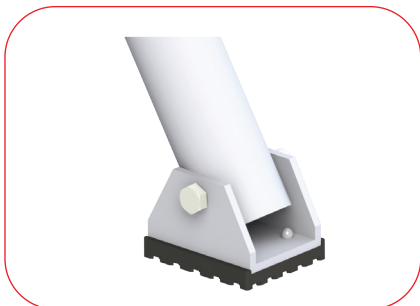
↑ Automatic locking jaw for fast attachment



↑ Secure stabilisers for access tower



↑ Wind lock to prevents platform from uplifting



↑ Non-slip rubber feet attached to the stabilisers



↑ Adjustable leg for levelling and brake to prevent movement

Project References

- P25122 PUCHONG, SELANGOR



WONDERScreen Self-Climbing Platform SCP



Harmonizing technology, safety and productivity

WONDERScreen Self-Climbing Platform SCP

(Overview)

Harmonizing technology, safety and productivity

The SCP is an innovative self-climbing platform integrated with rigid screen that is used as perimeter protection and working platform for the high-rise building facade work.

SCP is available in steel and aluminium. Steel SCP has higher strength, while aluminium SCP is made from lightweight aluminium alloy that has good strength and excellent corrosion resistance.

SCP with multi-level platforms facilitates an efficient sequence of operations such as structural building work and architectural facade work to be performed at high level of productivity. Once the SCP installation is completed, the SCP will be self-lifted using electric hoists.



(Steel Frame & Chain Hoist Lifting System)

*4.5 Floors Protective Screen
LSH Residences*



(Aluminium Frame & Chain Hoist Lifting System)

*2.5 Floors Protective Screen
Serina Residences*

Lifting System Frame Material	Chain Hoist	
	Chain Hoist	Hydraulic
Steel	✓	✓
Aluminum	—	✓

Aluminum frame features a higher strength-to-weight ratio, enabling lesser operation cost.

WONDERScreen Self-Climbing Platform SCP (Chain Hoist Lifting System)

Harmonizing technology, safety and productivity



✓ **One-time installation at low level**

Once-off, safe and efficient installation at the bottom level. Subsequent installation is unnecessary with self-performing mechanical lifting.

✓ **Consistently low risk regardless of height**

No additional installation and inspection at height are required.

✓ **Full enclosure**

✓ **Low maintenance**

✓ **Efficient self-performing process**

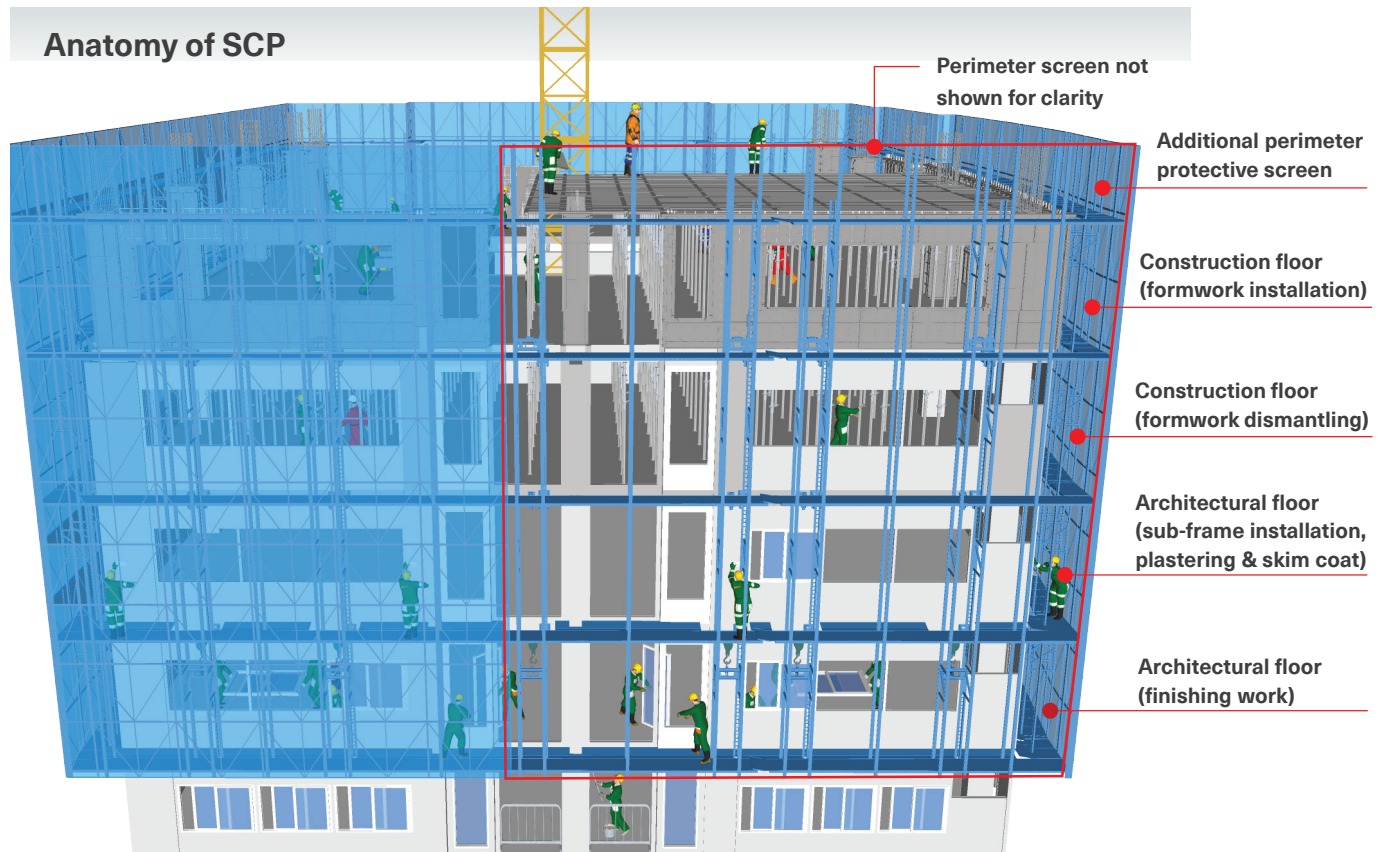
half-day climbing weekly with minimum supervision

✓ **Non-combustible metal material**



WONDERScreen Self-Climbing Platform SCP (Chain Hoist Lifting System)

Harmonizing technology, safety and productivity



WONDERScreen Self-Climbing Platform SCP (Chain Hoist Lifting System)

Harmonizing technology, safety and productivity

Project References

- P18042 @ CHERAS, KL, RESIDENTIAL BUILDING



Scaffold & Access



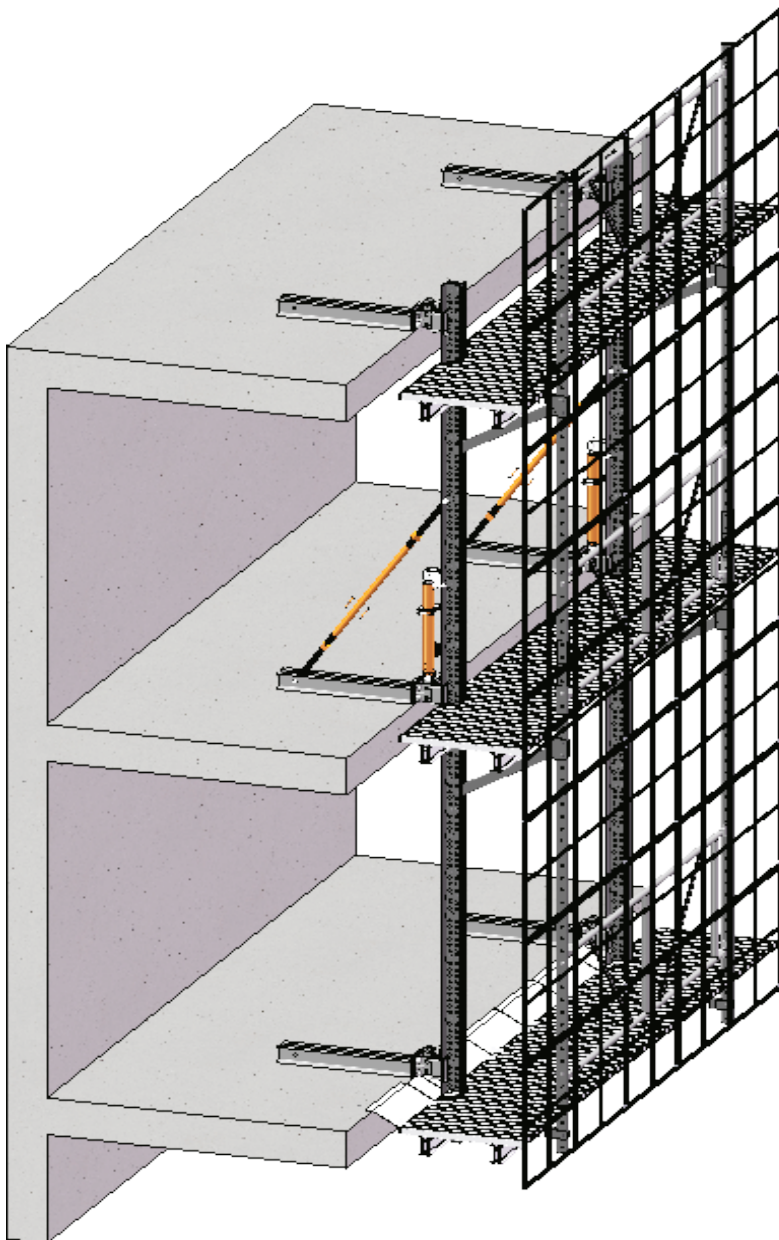
- P20093 @KAJANG, SELANGOR , RESIDENTIAL BUILDING



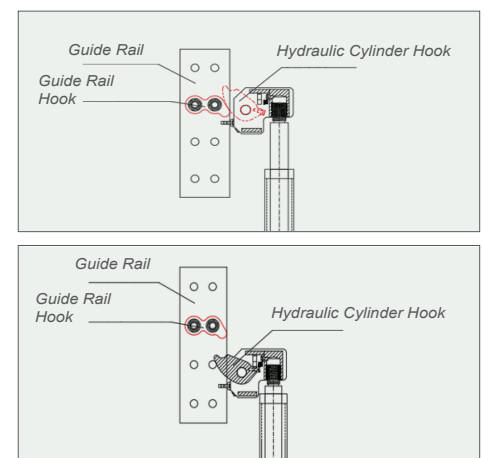
WONDERScreen Self-Climbing Platform SCP (Hydraulic Lifting System)

Harmonizing technology, safety and productivity

The Hydraulic Self-Climbing Platform SCP offers an alternative climbing solution by utilizing the hydraulic technology. Its also can be constructed from Aluminum frame to reduce the overall weight, enhancing cost effectiveness in the installation and usage.



Anti Fall Safety System Self-Retracting Hook



WONDERScreen Self-Climbing Platform SCP (Hydraulic Lifting System)

Harmonizing technology, safety and productivity

Project References

- P23030 @ BANDAR BARU SRI PETALING, KL, RESIDENTIAL BUILDING



Scaffold & Access



K21 Mobile House

Temporary Building for construction site

PLYTEC® K21 Mobile House is an industrialised building system (IBS) which is lightweight, easy and fast-to-assemble. The system uses lightweight steel structure framing with rock wool sandwich panel, which requires no heavy machinery for installation.

- ✓ **LIGHT WEIGHT MATERIAL**
- ✓ **FAST & MODULAR CONSTRUCTION**
- ✓ **AFFORDABLE & REUSABLE**

APPLICATIONS

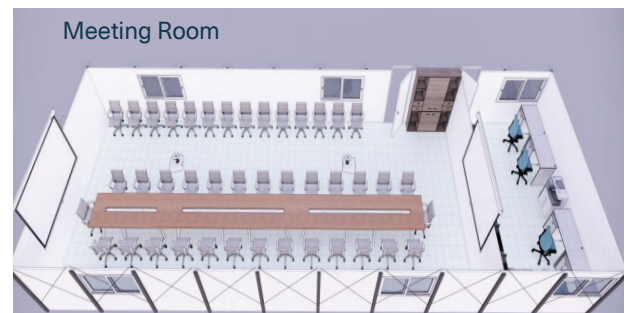
- Worker Living Quarter
- Site Office
- Temporary Refugee Camps
- Disaster Relieve Centre
- Emergency & Disaster Sites as Camps
- Military Unit
- Medical Unit Temporary Accommodation
- Temporary Storage
- Car Park Area

SPECIFICATIONS

Main Structure	Prefabricated light-weight pre-galvanised steel
Wall Sandwich Panel	50mm thick c/w 80kg/m ³ rockwool infill
Floor Panel	18mm thk. plywood c/w vinyl sheet (for 1 st floor only)
Metal Roof	0.40mm TCT PPGI metal deck c/w 25mm- 55mm thick Polyurethane (PU) insulation
Staircase (for 2 storey)	1m wide (2 sets)
Outdoor Hanger	G.I. wire
Floor / Ceiling Height	2.85m / 2.5m
Ceiling (optional)	Suspended ceiling
Rainwater Components (optional)	Inclusive, plastic gutter & UPVC downpipe (Discharge connection by others)



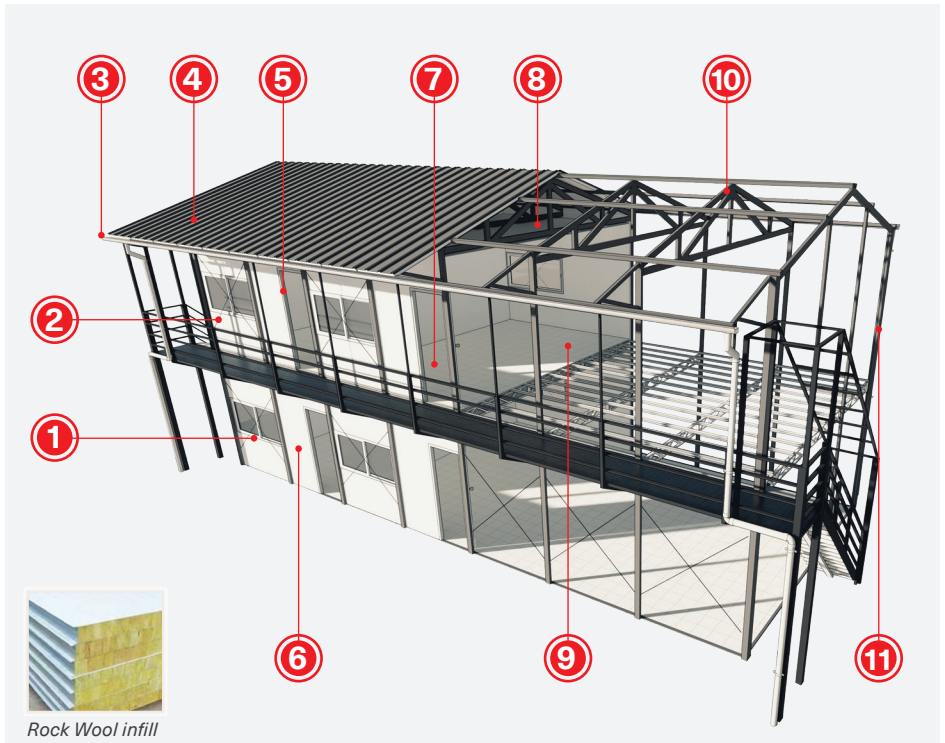
Design of Layout optimised to meet **ACT 446 REQUIREMENTS**



K21 Mobile House

Temporary Building for construction site

- [1] Sliding Glass Window
- [2] Turnbuckle & Wire Rope
- [3] Gutter & Rainwater Downpip (Optional)
- [4] Painted Pre-Galvanised Iron Sheet with Polyurethane (PU) insulation
- [5] Sandwich Panel Door
- [6] Painted Pre-Galvanised Iron Sheet with Rock Wool infill
- [7] Vinyl Sheet
- [8] Suspended Ceiling (Optional)
- [9] Plywood Flooring (18mm thick)
- [10] Galvanised A-Shape Roof Truss
- [11] Steel Column

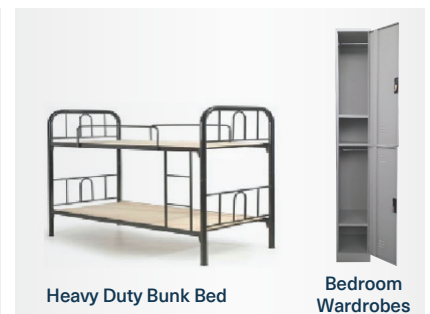
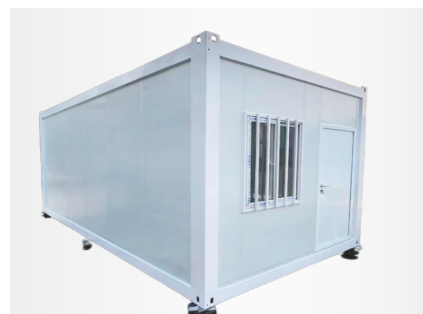


LIGHTWEIGHT MODULAR PARTITIONING SYSTEM

(Car Park Area)



Also available: Container House



PLYTEC *fencing*

Perimeter protection solutions

PLYTEC Fencing offers a comprehensive range of perimeter protection systems designed to suit diverse applications — from private estates and residential properties to equine facilities, airport boundaries, and agricultural land.

ADVANTAGES

- ✓ **DURABILITY**
- ✓ **ELEGANCE**
- ✓ **RIGIDITY**
- ✓ **LOW-MAINTENANCE**
- ✓ **EASY INSTALLATION**



INTEGRATED SECURITY SOLUTIONS

Our systems seamlessly integrate with existing IT and security infrastructure, delivering a comprehensive, intelligent, and future-ready security solution.





PLYTEC 380

Spacing (mm)	VERTICAL	HORIZONTAL
	25	75
Wire Diameter (mm)	ø 3.5, ø 4.0	
Panel Size Height x Width (mm)	1200 x 2400	
	1500 x 2400	
	1800 x 2400	
	2100 x 2400	
	2400 x 2400	
Post Specification (mm)	2475 x 3100	
	Standard: SHS Post 65 x 65 c/w 38mm Flat Bar & M8 Carriage Bolt & Nut	



PLYTEC 480

W - PROFILE GRILL	
Part Name	Specification
Post SHS Section	Standard: SHS 65mm x 65mm
Rail Section	38mm x 38mm (L-Angle)
Pale Section: W Section	65mm x 2mm
Bolt & Nuts	M8 x 40mm
Cup Square	M12 x 30mm



PLYTEC 580

Spacing (mm)	VERTICAL	HORIZONTAL
	75	12.5
Wire Diameter (mm)	ø 4.0	
Panel Size Height x Width (mm)	1200 x 2400	
	1500 x 2400	
	1800 x 2400	
	2400 x 2400	
	2700 x 2400	
Post Specification (mm)	3000 x 2400	
	Standard: SHS Post 65 x 65 c/w 38mm Flat Bar & M8 Carriage Bolt & Nut	



PLYTEC 680A

Spacing (mm)	VERTICAL	HORIZONTAL
	50	150
Wire Diameter (mm)	ø 4.5, ø 5.0	
Panel Size Height x Width (mm)	900 x 2400	
	1200 x 2400	
	1500 x 2400	
	1800 x 2400	
	2100 x 2400	
Post Specification (mm)	2400 x 2400	
	Standard: Ultragal Post ø 60 c/w Stainless U-Clip & M6 Bolt & Nut	



PLYTEC 780

Spacing (mm)	VERTICAL	HORIZONTAL
	50	200
Wire Diameter (mm)	ø 4.0, ø 4.5, ø 5.0,	
Panel Size Height x Width (mm)	930 x 2500	
	1230 x 2500	
	1530 x 2500	
	1830 x 2500	
	2130 x 2500	
Post Specification (mm)	2430 x 2500	
	Galvanized: Ultragal Post ø 60 c/w Stainless U-Clip & M6 Bolt & Nut Powder Coated: Interlocking System Peach Post 70 x 100 c/w Base Plate 140 x 140	



PLYTEC 680B

Spacing (mm)	VERTICAL	HORIZONTAL
	75	300
Wire Diameter (mm)	ø 6.0	
Panel Size Height x Width (mm)	900 x 2400	
	1200 x 2400	
	1500 x 2400	
	1800 x 2400	
	2100 x 2400	
Post Specification (mm)	2400 x 2400	
	Standard: Ultragal Post ø 60 c/w Stainless U-Clip & M6 Bolt & Nut	



PLYTEC 980Z

Spacing (mm)	VERTICAL	HORIZONTAL
	75	300
Wire Diameter (mm)	ø 5.0	
Panel Size Height x Width (mm)	900 x 2400	
	1200 x 2400	
Post Specification (mm)	Standard: Ultragal Post ø 60 c/w Stainless U-Clip & M6 Bolt & Nut	



PLYTEC 880

Spacing (mm)	VERTICAL	HORIZONTAL
	50	200
Wire Diameter (mm)	ø 6.0 / 5.0 / 6.0	
Panel Size Height x Width (mm)	830 x 2500	
	1230 x 2500	
	1630 x 2500	
Post Specification (mm)	1830 x 2500	
	Standard: Ultragal Post ø 60 c/w Stainless U-Clip & M6 Bolt & Nut Optional: SHS Post 65 x 65	



Rebar Coupling Solution

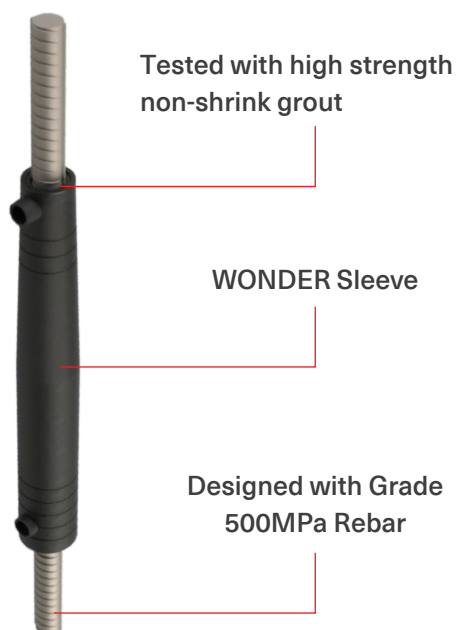
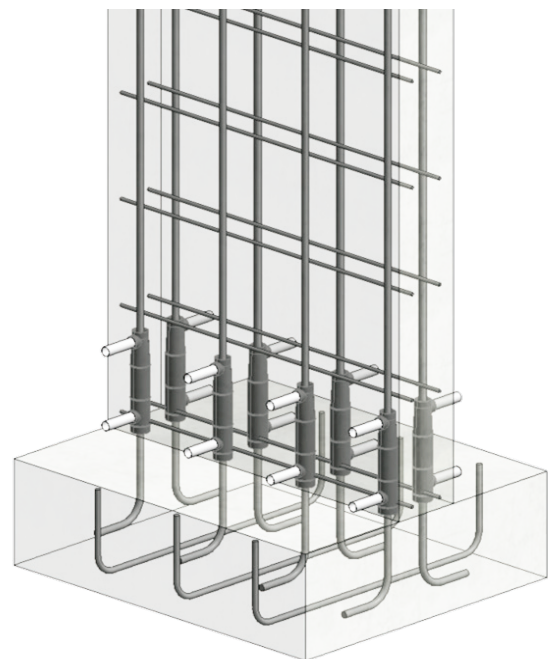
WONDERSleeve

CC-Series

The WONDERSleeve CC series is a precision-engineered solution, manufactured from ductile iron, designed for the reliable connection of precast concrete elements. It provides secure, grouted rebar connections that ensure efficient load transfer and structural continuity, making it ideal for a wide range of construction applications.

Tested and Conform to ISO 15835

Sleeve Model	Rebar Diameter (mm)	Sleeve Length L (mm)	Weight (kg)
CC20	12, 16, 20	285	1.35
CC25	20, 22, 25	370	2.14
CC28	22, 25, 28	415	2.53
CC35	28, 32, 35	495	3.36
CC40	32, 35, 40	620	5.32





Precast Lifting Solution Accessories

PC Forging specialist in prefabrication industry providing lifting solution for lifting needs



↑ **EYE & CONE ANCHOR**



↑ **CAST-IN LIFTING LOOP**



↑ **ROUND RECESS FORMER**



↑ **SOFT LIFTING CLUTCH**



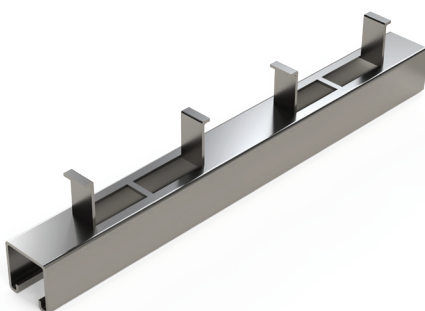
↑ **CONNECTING LOOP**



↑ **TUBE INSERT**

CAST-IN CHANNEL

Anchor channels are pre-positioned cast-in fixing solutions.



PRECAST WALL LOOP BOX

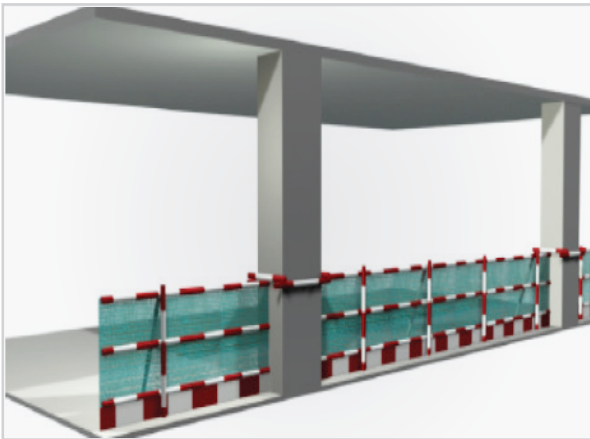
Precast Wall to wall connection



Safety Accessories

Reliable fall prevention system for work at height

SAFEGUARD RAILING WSR



WONDER Safeguard Railing (WSR) is engineered as a quick assembled fall prevention system, used to secure building and construction edges, openings, passageways and other areas where there is a risk of falling from height.

✓ **Fast assembly**

minimum component types, lightweight and easy to assemble

✓ **Reliable design**

designed to meet the EN 13374 (Class A) standard

PROTECTIVE PANEL WSP



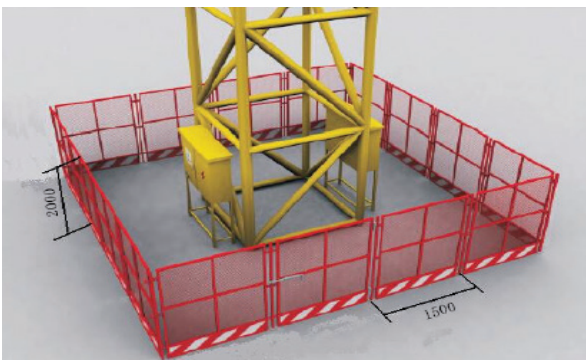
WONDER Safety Protection Panel (WSP) is a modular protective screen of 2m height, used to barricade a building, structure, equipment, or access. The system comprises of two components, namely posts and grating, thus enabling fast assembly with minimal learning.

✓ **Easy assembly**

only 2 component types that require minimal learning to assemble

✓ **Reliable design**

designed to withstand an accidental impact load



Safety Accessories

Reliable fall prevention system for work at height

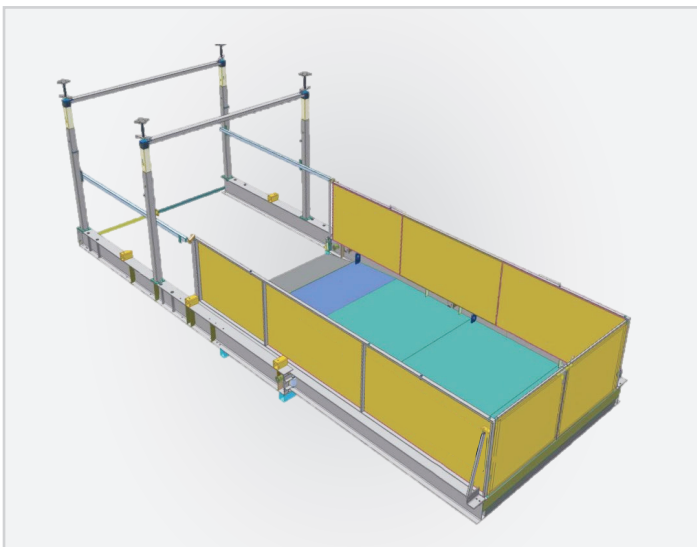
SAFEGUARD NET FAN WSF



WONDER Safety Net Fan (WSN) is the latest innovation in fall prevention systems used to safely catch objects or people fall from heights. The system is engineered to form a collection bag around the trapped object or people with the elasticity of the net and a slight deformation of the frame, hence preventing the object or people from falling outside the system.

- ✓ **Reliable design**
safety net is designed to meet the EN 1263-1 standard
- ✓ **UV stabilised**
- ✓ **Rigorous test**
designed to meet the EN 13374 (Class A) standard

LOADING PLATFORM



WONDER Wonder Loading Platform (WLP) is a retractable loading platform system ideally used in multi-storey structures to crane building materials into the structure.

- ✓ **Quick and easy installation and relocation**
- ✓ **Easy push-pull operation by one person in seconds**
- ✓ **Stackable, easy for transport and storage**



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