



FOUNDATIONS TODAY FOR A BETTER TOMORROW

PLAN
BUILD
GROW
TOGETHER



www.Ajfspvtltd.com



Engineering Precision.
Building Better.

ABOUT US

AJ Formwork System Pvt. Ltd. is a professionally driven company specializing in high-quality Aluminium Formwork Systems for modern construction projects. We provide precision-engineered formwork solutions developed to support efficient site operations, dimensional consistency, structural quality, and dependable project performance.

Our solutions are suitable for residential, commercial, high-rise, and infrastructure projects, helping builders and contractors achieve consistent formwork accuracy, smooth site operations, and reliable construction results. With a strong focus on engineering, quality, and project-specific requirements, we deliver durable and practical formwork solutions designed for demanding construction applications.

SPACES
FOR A
**BRIGHTER
FUTURE**



ENGINEERING
EXCELLENCE



QUALITY
ASSURANCE



CLIENT
FOCUSED



SUSTAINABLE
GROWTH

FORMWORK
FOR A
STRONGER
TOMORROW

ALUMINIUM FORMWORK SYSTEM OVERVIEW

AJFS Aluminium formwork is designed to deliver strength, accuracy and efficiency for modern construction. Our systems are developed with engineering precision to ensure faster construction, superior finish and long-term durability.

Each component is designed to work together as a complete system, providing high structural stability, dimensional accuracy and reusability, making it an ideal solution for residential, commercial, high-rise and infrastructure projects.

WALL PANEL

High strength aluminium wall panels for fast, accurate and repeatable construction.

ADJUSTABLE STEEL PROP

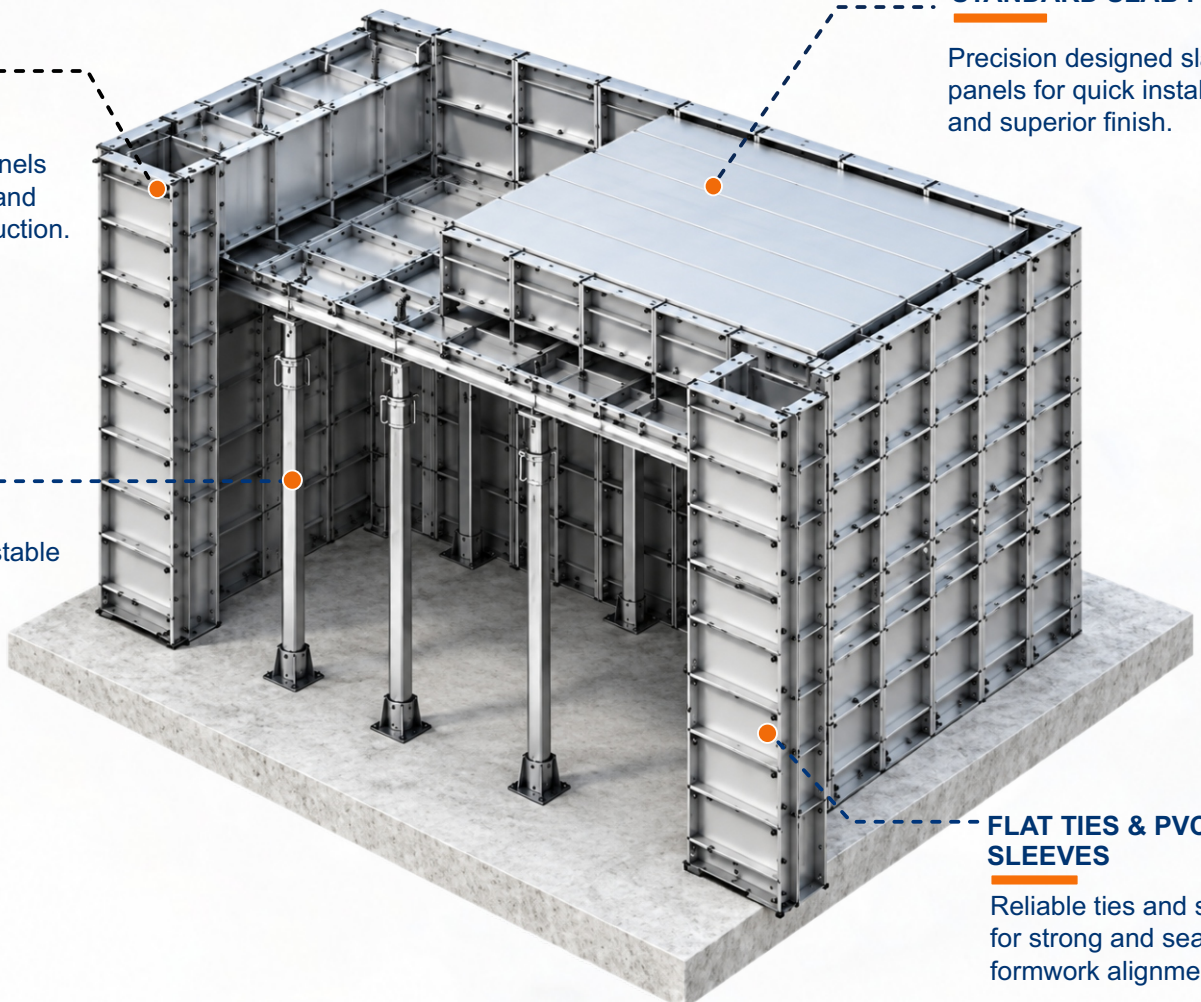
Durable and adjustable props for safe and stable support.

STANDARD SLAB PANEL

Precision designed slab panels for quick installation and superior finish.

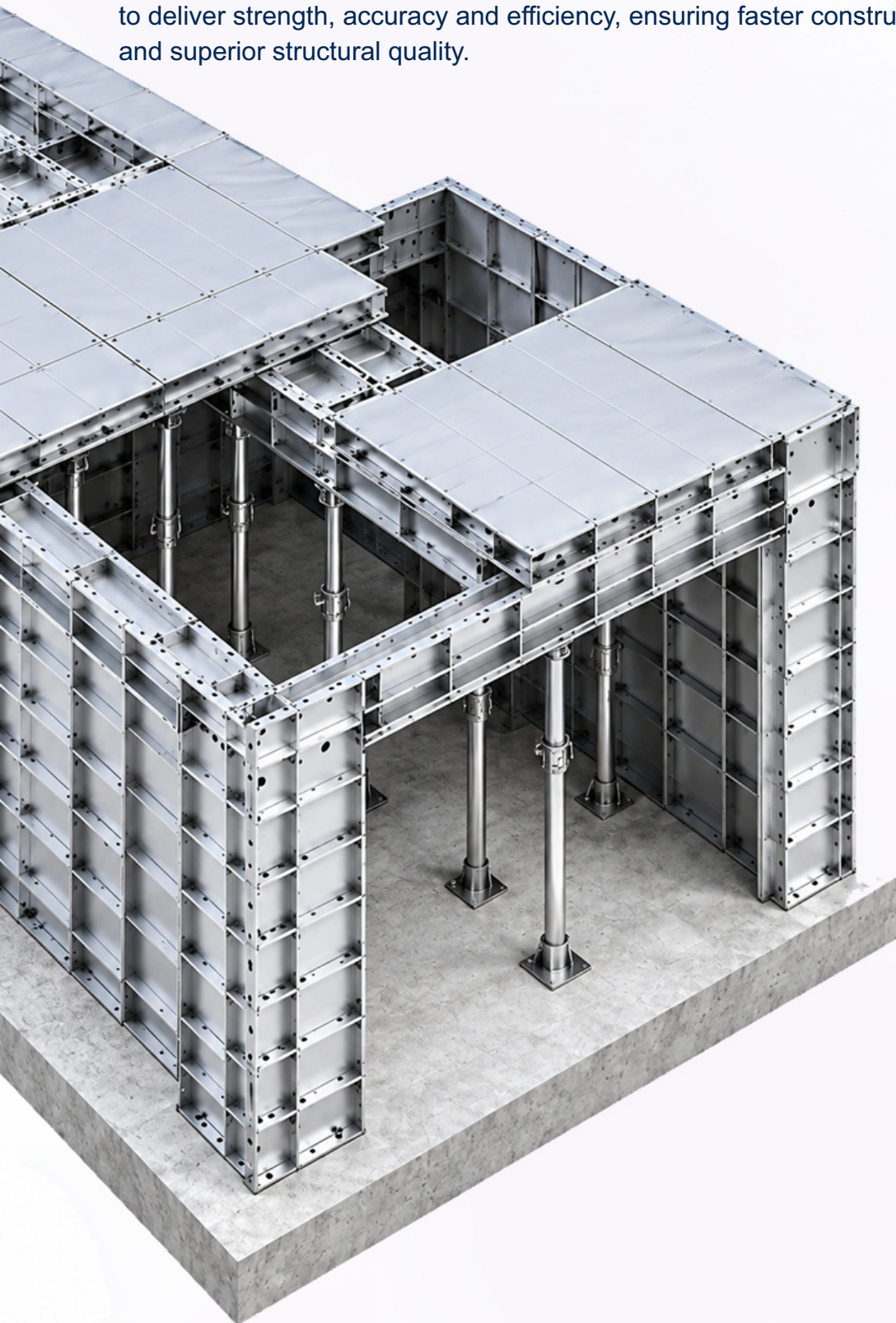
FLAT TIES & PVC SLEEVES

Reliable ties and sleeves for strong and seamless formwork alignment.



PRECISION IN EVERY COMPONENT

AJFS Aluminium Formwork is a complete, engineered system designed to deliver strength, accuracy and efficiency, ensuring faster construction and superior structural quality.



STANDARD SLAB PANEL

High-strength aluminium slab panels for quick installation and superior finish.

STANDARD SLAB PANEL

Engineered beams for structural stability and accurate alignment.

BEAM BOTTOM PANEL (BB)

Provides strong support and ensures precise formwork assembly.

EXTERNAL CORNER ANGLE (ECA)

Durable corner solution for perfect alignment and longer panel life.

TECHNICAL SUPPORT

Our Engineering Department is manned by a highly qualified and well-trained team of engineers who can provide any technical advice or support you need.

We are one of the leading Aluminium Formwork solution providers, helping to design engineering drawings, setting out plans and production drawings to eliminate holes, matching issues in standard as well as non-standard panels and provide desired shape and size of aluminium formwork to the client.

Our engineers provide a complete range of services:



ENGINEERING DESIGN

AJFS undertakes site surveys and advises customers on the most appropriate solutions to meet project requirements. Our engineering team scope and advise on all necessary details, prepare shop drawings for client's understanding. Manufacturing drawings will then be prepared for fabrication and layout plans for on-site installation.



PRODUCTION

AJFS products are carefully inspected at all stages of manufacturing to ensure that it meets our high quality standards. Our production teams are able to deliver and meet your project requirements.



TRAINING PROGRAMME

On-site team training is the key to meet your construction schedules. Our technical team provides a complete set of training from reading shop drawings to assembly of the aluminium formwork system.



ON SITE SUPERVISION

Before the shipment arrives, our skilled supervisors goes to the construction site to make preparation for the aluminium formwork system. Our supervisors are always available to assist and guide during the process of initial set up.

SMART
FORMWORK
SMARTER
CONSTRUCTION



ALL IN ONE SYSTEM

A complete formwork solution for walls, slabs, columns, beams and staircases.



QUALITY & DURABILITY

High-strength aluminium ensures long life, repeatable use and excellent finish.



SPEED

Faster construction cycles with easy assembly and dismantling.



COST REDUCTION

Reduced material wastage, lower maintenance and faster project completion.



REDUCED NUMBER OF SKILLED WORKERS

A complete formwork solution for walls, slabs, columns, beams and staircases.

**BUILD FASTER
BUILD SMARTER
WITH AJFS**

8 DAYS CONSTRUCTION CYCLE

SYSTEMATIC | EFFICIENT | HIGHER PRODUCTIVITY

01



Wall Marking & Reinforcement



02



Vertical Formwork Erection



03



Slab & Stair Formwork Setting



04



Slab Reinforcement



05



Electrical & Plumbing Work



06



Overall Inspection & Concrete Pouring



07



De-shuttering Vertical Formwork



08



De-shuttering Slab & Beam Panels, Upper Level Reinforcement



PREPARATION BEFORE INSTALLATION

- Set out lines and draw according to the structural drawing
- Check and assess all formwork system's components
- Internal cleaning of concrete residues (if panels and accessories are used for previous projects)
- Panels must be applied with sufficient form oil
- Safety and installation brief need to be conducted for the site team



PRE-CHECK BEFORE CASTING OF CONCRETE

- Countercheck the position of the walls and columns with the set up marking
- Vertical and horizontal level of wall and slab must be checked
- Ensuring pins, wedges and ties are properly tightened
- Confirm the opening dimensions
- Inspect the height of all support
- Adequate bracing to ensure stability



MONITOR DURING CASTING

- Concrete pouring is distributed throughout all wall sections before commencing to cast slab areas
- Monitor cement slurry leakage
- Immediately remove/clean all excess concrete that is stuck on the back of formwork

MANUFACTURING PROCESS

01



Cutting

02



Shearing

03



Hole Processing

04



Slotting

05



Friction Stir Welding

06



Mig welding

07



Grinding

08



Brushing

09



Levelling & Adjustment of Panels

10



Coating

11



Packing

12



Loading into Containers



STANDARD WALL PANEL

Forms the face of the wall and stiffeners of wall panel are designed such a way that a worker can easily lift and handle. There is no mid-welding in a standard wall panel width.

Item Description	Dimenison
Standard Wall Panel	600mm × 2400mm
	450mm × 2400mm
	300mm × 2400mm
	150mm × 2400mm

Height (H) of the Wall Panel depends on design requirement. It will either be the Standard Wall Panel height or a Single Wall Panel Height.



STANDARD WALL IN-CORNER PANEL

Connects two panels and covers a scaffolded edge space, where the two panels meet.

Item Description	Dimenison
Standard Wall In-Corner Panel	100 × 100 mm × 2400mm
	100 × 125 mm × 2400mm
	100 × 150 mm × 2400mm
	100 × 175 mm × 2400mm

Size (L×H) of the In-Corner Panel depends on design requirement.



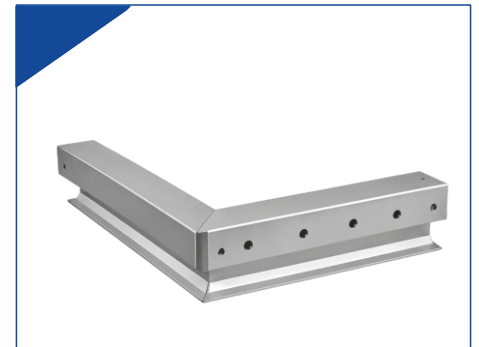
JOINT BAR

Used to joint the stop ends with the beams (Middle beam and/or End beam).



SLAB IN CORNER

Connection between Wall panel & Slab panel (inside).



SLAB OUT CORNER

Connection between Wall panel & Slab panel (outside).

SLAB COMPONENTS



STANDARD SLAB PANEL

Standard slab panel sustains the weight of concrete while pouring and provides a horizontal surface for working to save slab. It rests in between two adjacent slab beams.

Item Description	Dimenison
Standard Slab Panel	600mm x 1200mm
	450mm x 1200mm
	300mm x 1200mm
	150mm x 1200mm



SLABN LENTH

Slab length is used to sustain the weight of concrete while pouring and casting jacks to form slab. It is used to connect wall and slab panel.

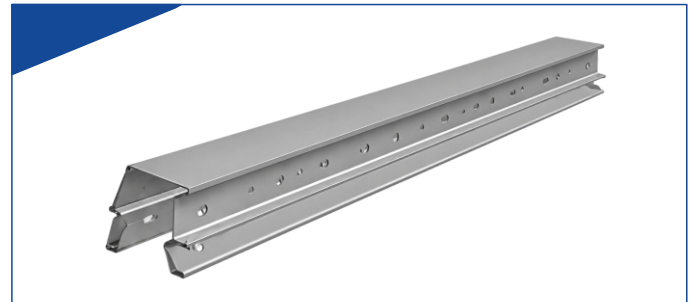
Item Description	Dimenison
Slab Length	250mm x 1000mm (1.1')
	150mm x 1800mm (3.1')
	150mm x 750mm (2.5')



SIZE: 150 X300

PROP HEAD [Top]

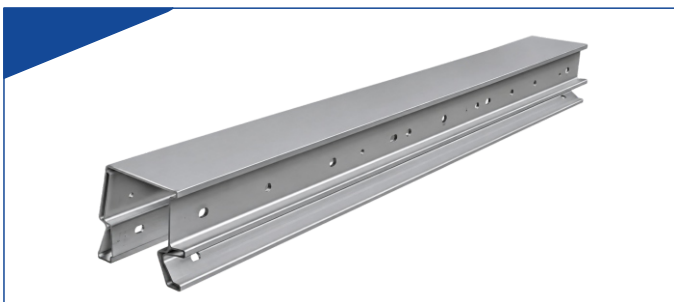
Used to joint the beams together (Middle beam and/or End beam), the pipe support will be placed under the prop head.



Size: 150 x 900 | 150 x 1050

MIDDLE BEAM [MB]

Used to joint the slab heads, the middle beam supports the slab panels.



Size: 150 x 600 | 150 x 900 | 150 x 1050

END BEAM [EB]

Used to joint the beams together (Middle beam and/or End beam), the end beam supports the slab panels.



Dependent upon each structure

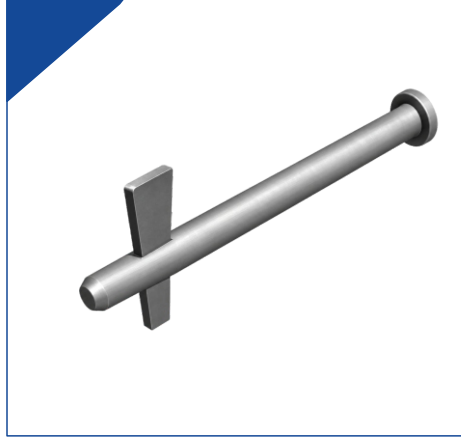
SPECIAL PROP HEAD

Used to joint the beams together (Middle beam and/or End beam), this special prop head will be placed where a normal prop head cannot be installed.



WEDGE & ROUND PIN

The Round pin and Wedge pin will be used to joint the Wall or Slab panels together.



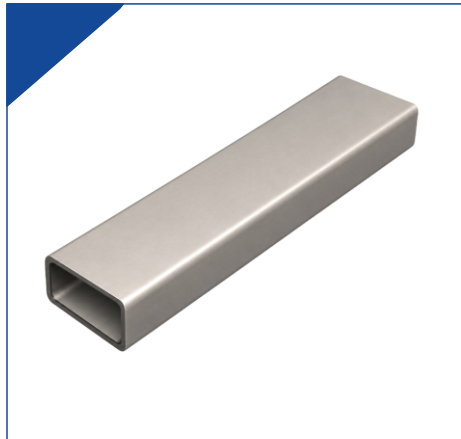
LONG PIN

The Long pin and Wedge pin will be used to fix the joint pin with the end beam and beams (Middle beam or End beam) together.



FLAT TIE

The Flat tie is used to joint the wall panel to the opposite side's wall panel. Depending on the wall panel's height, the number of flat tie used will vary.



PVC SLEEVE

Made of PVC material, the PVC sleeve will be installed between the wall panel and the opposite side's wall panel. The flat tie will be inserted inside this sleeve in order to protect the flat tie to be casted within the concrete.



PIPE SUPPORT

The pipe support is used to support the weight of the slab during construction forming and casting. It will remain under the prop head until 2 levels of casting.

Type	Length
P-1	1,800mm – 3,200mm
P-2	2,000mm – 3,600mm
P-3	2,400mm – 3,800mm
P-4	2,600mm – 4,000mm

FORMWORK COMPONENTS



WALL PLATFORM



SLAB PLATFORM



ELEVATOR PLATFORM

As a subset/part of a scaffolding system, these wall platform, slab platform and elevator platform will be fixed on the concrete (hall/slab/column) and used as working platform for workers.



**WALLER-BRACKET &
SQUARE PIPE**



BOLT, NUT & WASHER



TIE ROD

The Waller-bracket and Square pipe are used to allow the horizontal straightness of wall panels and a flat wall surface (especially at the bottom) after concrete casting.

This set of accessories will be used as an embedded anchor in order to fix panels on the concrete surface during installation.

This accessory will be used as an embedded anchor in order to fix the bracket on the concrete surface during its installation.

PROJECTS REFERENCE

BUILDING A STRONGER TOMORROW



RESIDENTIAL TOWER



APARTMENT COMPLEX



HIGH-RISE DEVELOPMENT



COMMERCIAL BUILDING



HOUSING PROJECT



MIXED-USE DEVELOPMENT



INSTITUTIONAL PROJECT



RESIDENTIAL COMMUNITY



LARGE SCALE DEVELOPMENT



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