



**SQUARE
CIRCLE
FORMWORK**

FORMING CONCRETE EASILY

ABOUT COMPANY



Forming concrete easily

About Square Circle Formwork®

Square Circle Formwork® is a manufacturer and supplier of formwork products which aim to meet the needs of the current formwork market with our labor saving and environmental-friendly formwork system. Our company uses a combination of steel, plywood and plastic materials in the development of the wide range of fine formwork products which benefit thousands of contractors all over the world. Square Circle Formwork® offers prefabricated products, designed by our inhouse engineering team which are customized to meet the exact needs of the formwork on your project. Our products when compared to traditional forming methods, you can save up to 60% of labor costs and 35% of material wastage due to no hand crafting requirements on site.

Our Story

In 2009, we were a rotary dye boards manufacture, which were plywood cylinders for paper modeling and manufacturing. During that time, one of our junior engineers had a suggestion which was to modify our existing plywood cylinders for a possible alternative to existing column formwork products.

By researching, testing and developing his idea, our company had invented and patented its first formwork plywood product—Circular plywood column formwork. As we modified and perfected our circular plywood column formwork, our clients requested additional column designs which lead to the development of our prefabricated square and rectangle columns which are complimented with our own adjustable column clamps which help our clients drastically save cost and time on the site. Adding to our range of products came our highly successful PP plastic plywood sheets our clients praise for it's light weight, high strength and high reusability. Today, we even offer our clients an affordable elevator shaft formwork system for the buildings cores. Our aim is to reduce the risk, cost, and time in construction with our high-quality formwork products no matter how big or small the project.

Our Vision

We strive to seek for the easiest solution and on-site service (if needed) for our valued customers, we not only strive to maintain competitiveness in the field of formwork, but also to achieve the highest quality products possible. With the goal to offer a simple, easy to handle yet precise formwork solution, we hope to be a labor-, time-, energy efficient- brand the world can trust.

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ELEVATOR SHAFT PLATFORM

Make the shaft construction easier & safer & lower cost

APPLICATION



Elevator Shaft Platform is a formwork system for forming the concrete core of a building. The gravity pawls support the whole platform and do not required scaffolding. It is also tractable to form up or strip off the formwork by expanding or contracting the stripping corner. The whole system is designed to be lifted by the crane and to continue the work on upper floor.

DESCRIPTION

The elevator shaft platform provides a self-support platform for labor to work in the middle of the shaft core. It allows the builder to do leveling on the platform and forming concrete. The corner can be operated by using a wrench to expand it or to strip off by using a wrench to contract it and then lifted by crane to the next floor.

ACCESSORIES

Telescopic Shaft Beam / Latch box / Base platform / Clamps / Aluminum Alloy Structure / Tie rod tube

FEATURES

- Self-supportive by platform, and covered top
- PP plastic plywood sheets can be replaced
- Strong & light (made by aluminum)
- Less material waste compared to traditional methods hand formed methods
- Custom made available for different sizes
- Highly reusable

ADVANTAGES

- Labor cost & time efficient
- Able to be disassembled for more space on site
- Avoid the risk for high-rise working
- Can withstand 4000kg on the platform
- Safer working area

TECHNICAL DATA

Frame	Aluminum Alloy 6063-T6
Formply	PP plastic plywood (repeatable, straight while beam stand on full plastic panel)
Pawl	Q345B Steel
Bearing strength of Pawl	40kN
Hinge Pin of the Pawl	ASTM1045 Steel
Bending strength of Hinge Pin	360N / MM2
Shearing of the Hinge Pin	178N / MM2
Hook	Q345B

ADJUSTABLE CLAMPS

We make better clamps

ADJUSTABLE COLUMN CLAMPS

APPLICATION



To withstand the pressure from the concrete pouring into the column formwork

ACCESSORIES

1 set equal to 4 bars with 4 wedge pins
Corner clamps / Wedges pin/ Bar

FEATURES

- Made by Q345B steel, galvanized
- Lightweight
- Thin & easily handled
- One set of clamps can be applied on different sized columns
- No other complicated accessories required for fixing
- Highly reusable

ADVANTAGES

- Adjustable
- Labor cost & time efficient
- Fastest tools for column fixing
- One-man required
- Easy for low skilled laborers
- Easy cleaning & maintenance for re-use / Lease
- Long life span- up to 20 years

STANDARD SIZE

Size in millimeter	Width in millimeter	Weight per set (Four bars plus four wedge pins)
400-600	80	21.6 kg
500-800	80	26.2 kg
700-1000	100	51 kg
900-1200	100	57.2 kg
1100-1400	100	65 kg
1300-1600	100	70.4 kg
1500-1800	100	115.8 kg
1900-2100	100	129.8 kg

Note: customized size available

ADJUSTABLE CLAMPS

We make better clamps

ADJUSTABLE BEAM CLAMPS

APPLICATION



To withstand the pressure from the beam formwork while concrete pouring

ACCESSORIES

1 set equal to 1 bar with 1 wedge pin (Wedges Pin / Adjustable stand / Bar)

FEATURES

- Made by Q345B steel ,galvanized
- Self- supportive
- Lightweight
- Thin & easily handled
- One set of clamps can be applied on different size of beam
- No other complicated accessories require for fixing
- Highly reusable tools

ADVANTAGES

- Adjustable
- Labor cost & time efficient
- Fastest tools for beam clamps fixing
- One-man required
- Easy for low skills laborers
- Less material waste on site
- Allow more space on site
- Long life span- up to 20 years

STANDARD SIZE

Size in millimeter	Width in millimeter	Applicable height	Weight per set
200-400	510	<600mm	6kg
400-600	610	<700mm	7kg

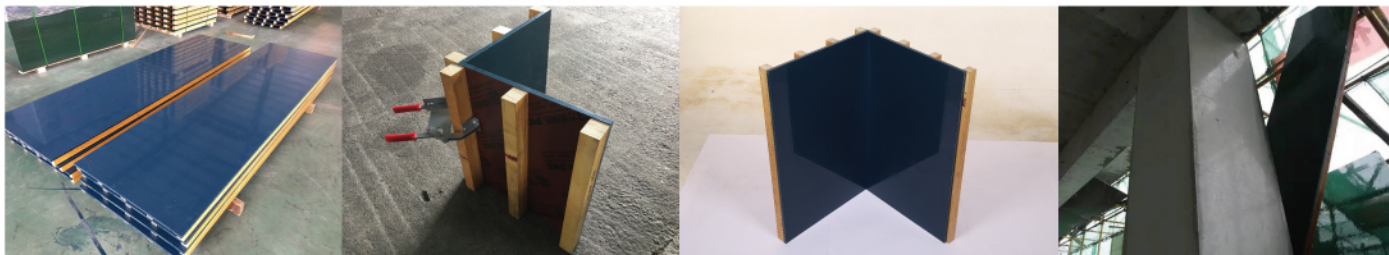
Note: customized size available

PREFABRICATED COLUMN FORMWORK

Prefabricated, Customized size, Ready to use on site

SQUARE & RECTANGLE COLUMN

APPLICATION



For column construction

FEATURES

- PP plastic plywood, nail with LVL beams on the back
- Phenolic WBP glue, highly waterproof
- LVL beam with waterproof painting
- Seamless joint at the edge
- High class of concrete finish without reworking required
- Highly reusable for many pours
- Film faced option available upon request, certified F17 plywood

ADVANTAGES

- Ready to use on site
- Quick installation and dismantling
- Labor cost & time efficient
- Fair Face Concrete /for a "Mirror Surface" finish
- Eco-friendly; less construction waste
- No leakage of concrete

STANDARD SIZE

Size of columns	Size of LVL beams	Thickness of panels
300 X 300mm	40 X 50mm	16mm
400 X 400mm	40 X 50mm	16mm
500 X 500mm	40 X 50mm	16mm
550 X 550mm	40 X 50mm	16mm
600 X 600mm	40 X 50mm	16mm
700 X 700mm	40 X 50mm	16mm
800 X 800mm	40 X 50mm	16mm
900 X 900mm	40 X 50mm	16mm

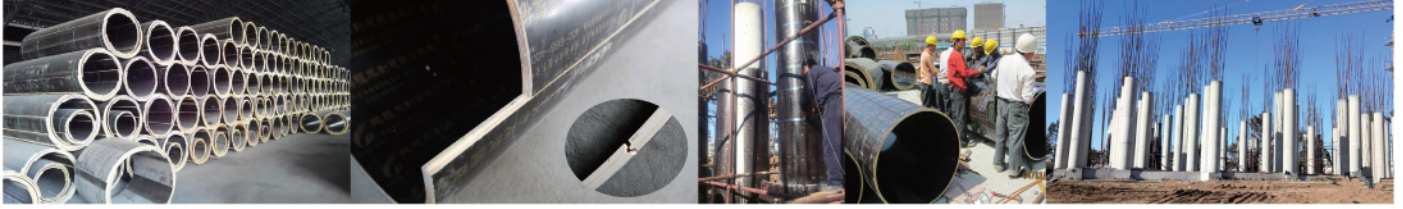
Note: customized size available

PREFABRICATED COLUMN FORMWORK

Prefabricated, Customized size, Ready to use on site

CIRCULAR COLUMN

APPLICATION



Circular column construction

ACCESSORIES

Clamp, Bolts, Nuts, Base-collar (Optional)

FEATURES

- Tongue and groove to prevent leakage
- Made of phenolic film faced plywood, light in weight, easy handling
- Nice smooth concrete finish without rework
- Quick installation and dismantling
- Easy cutting on site if required

ADVANTAGES

- Very efficient with 6-8 pours per column formwork
- Quick installation and dismantling
- Highly-waterproof
- No leakage
- High flexibility
- High class of concrete finish.
- Easy to cut for beams or customizing if required

STANDARD SIZE

Range of Diameter	Standard Height	Thickness	Parts
250-550mm	3000mm	15mm	2
600-1200mm	3000mm	18mm	2
1300-1550mm	3000mm	22mm	2
1600-4200mm	2400mm	22mm	4-10

Note: customized size available

PREFABRICATED COLUMN FORMWORK

CIRCULAR COLUMN

TECHNICAL DATA

Film faced plywood	Core:	Decent poplar
	Glue:	WBP glue
	Film:	Brown film
	Hot press:	2 times hot press to be curved
	Sanding:	2 times
	Edges:	Tongue-groove
Steel belts	Steel no.:	Q235
	Width:	32mm
	Thickness:	1.2mm
Screws	Item:	Gr 8.8
	Size:	12 x 100mm

PP PLASTIC PLYWOOD SHEET

Combination of plastic & plywood

APPLICATION



Concrete formwork sheets for wall construction, column, beam and slab

FEATURES

- Polypropylene plastic with non-toxic properties
- Reusable, multi-use & smooth finish
- Plywood twice hot press and sanded
- Water boiling proof phenolic glue 72 h water boiling without delamination
- Film faced option available upon request, certified F17 plywood

ADVANTAGES

- Higher reusability compared to typical film face plywood sheets
- Easy to dismantle; PP is not sticky to cement
- Eco-friendly; PP is recycle material
- Fair Face Concrete /for a "Mirror Surface" finish
- No re-work/ plastering required
- Highly waterproof, special for concrete formwork
- Save labor & time

STANDARD SIZE

Size in millimeter	Size in inches	Thickness range
1220 X 2440	4' X 8'	9-30mm
1220 X 2745	4' X 9'	9-30mm
1220 X 3050	4' X 10'	9-30mm
915 X 1830	3' X 6'	9-30mm

Note: customized size available

TECHNICAL DATA

Density	530 kg / M3
Glue	WBP Phenolic
Core	Poplar / Hardwood / Birch

OTHER WALL SYSTEM

Practical & accuracy

SHEAR WALL



We can offer you a whole wall system manufactured for your project and can be customized according to your specific drawings.

BEAM WORK



As a connection to the structure, we can offer you an entire beam work system to achieve your project goal simply by sending us your drawings.

OTHER WALL SYSTEM

Practical & accuracy

CURVED WALL



For some projects that requires curved wall formwork components, we can help our customer by manufacturing the curved wall formwork to their project by simply sending us your drawings.

DECO FORM



Deco form is the best option for housing project, it is easy to install and assembly. Deco form has its clamps on the formwork to make fixing easier.

CERTIFICATION



Our company has achieved ISO9001:2008 Certification, CE Certification. We strive to provide effective products to our clients and focus on keeping our products quality at the highest level, test reports by National research center testing techniques for building materials, SGS and in-house QC department are available.

If there are any enquiries in regards of the certification, please come and talk to us and we will see how we can achieve your country qualification and to make your path easier.

BRANCH & PARTNERS

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BRANCH & PARTNERS

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For more information and download User Manual, please click in our official website:

www.scformwork.com



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WWW.SCFORMWORK.COM

