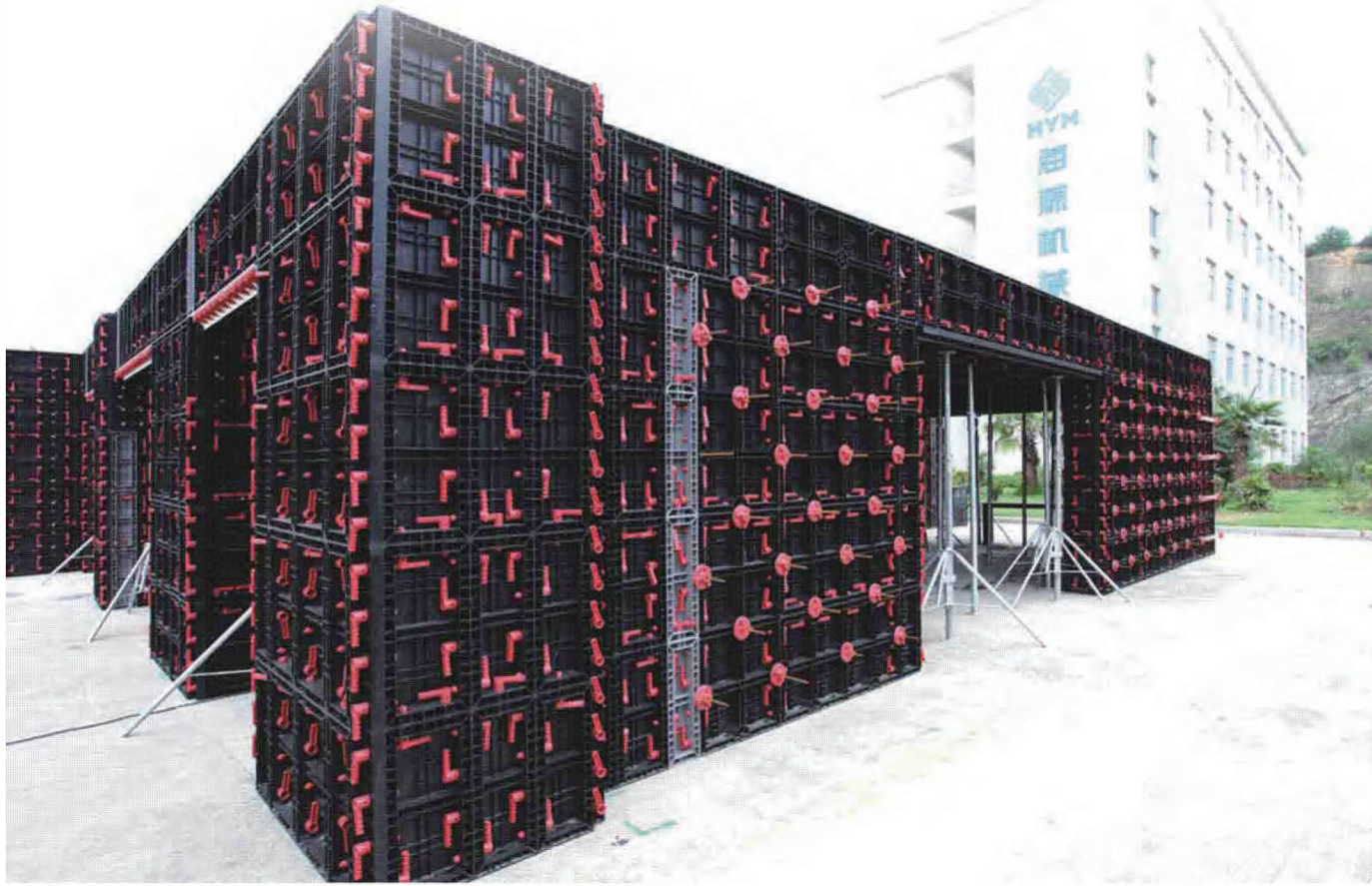


Plastic Formwork



CNBM

CNBM International Corporation



China National Building Materials (Group) Corporation (CNBM), established in 1984, now is one of the largest state-owned group corporation in China, dealing with building materials & industrial equipment. Up to year 2010, CNBM Group's total asset is 20 billion USD and total staff is more than 100,000.

CNBM International Corporation, specializes in designing & manufacturing of various kinds of construction machinery, including tower crane, Formwork System. All the equipment produced by CNBM are compliant with the National level quality standard, and wins great reputation for their enduring performance in worldwide markets.

Key reason for CNBM's achievements:

• Research and Development (R&D)

- Our own systems of production engineering.
- Production design from the concept to the engineering details.
- National level research academy for various building equipment for over 30 years.
- Continuous development of new solutions and products adapted to the requirements of our clients.
- Technical experts with abundant experience in relative fields.

• Production

- Complete quality control system.
- Nearly 20 years experiences in manufacturing fields.
- Full production capacity up to 40000 square meters formworks per month (Timber Beam Formwork System).

• Commercial & marketing

- Customer-oriented philosophy.
- Full international business experiences.
- Global network & localization strategy.
- Professional & high efficiency team.

• Service

Under the guidance of "globalization + localization" strategy, in most of our main markets, the marketing operations & after sales services are carried out by CNBM's local partner companies.

To provide enough & timely support to the local partners, CNBM has set up 6 branches in the world (with more to c, ensuring the best services to the end-users along with high quality equipment.

Our Service Branch

CNBM INTERNATIONAL CORPORATION U.A.E BRANCH

CNBM INTERNATIONAL CORPORATION K.S.A BRANCH

CNBM INTERNATIONAL CORPORATION IRAN BRANCH

CNBM (U.S.A) CORPORATION

CNBM INTERNATIONAL (RUSSIA) CORPORATION

CNBM INDIA CORPORATION

CNBM NIGERIA CORPORATION

CNBM KAZAKHSTAN BRANCH

CNBM VIETNAM COMPANY LIMITED

UNDER CONSTRUCTION OTHER PLACES



● INTRODUCTION OF PLASTIC MODULAR FORMWORK

The biggest panel is 120x60cm, weighs only 10.5kg, which can be lift and set up by only one person easily, need no crane on the site.

Easy set up:

Different size of panels can be firmly locked by simply turn the special handles to 90 degree. The panels have rib on the back, which makes the system need not traditional wood blocks and nails. The panels have holes to fit tie rod, guarantee the strength of the whole system.

Modularity:

Modular formwork composed by different size of panels, the main item is 120x60 panel, the size is 120x60cm, which used for the large area of walls and slabs. There are also small size of panels like 10x60 panel (10x60cm), 20x60 panel (20x60cm), 25x60 panel (25x60cm), inner corner (20x20x60cm) and outer corner (10x5x60cm). Due to the variety of panel size, the system can form almost all size walls 120x60 panel (act size 120x60cm) of multiple by 5cm. The material of modular formwork is PC-ABS mixed with special glass fibres which enable panels to hold high pressures.

Strength:

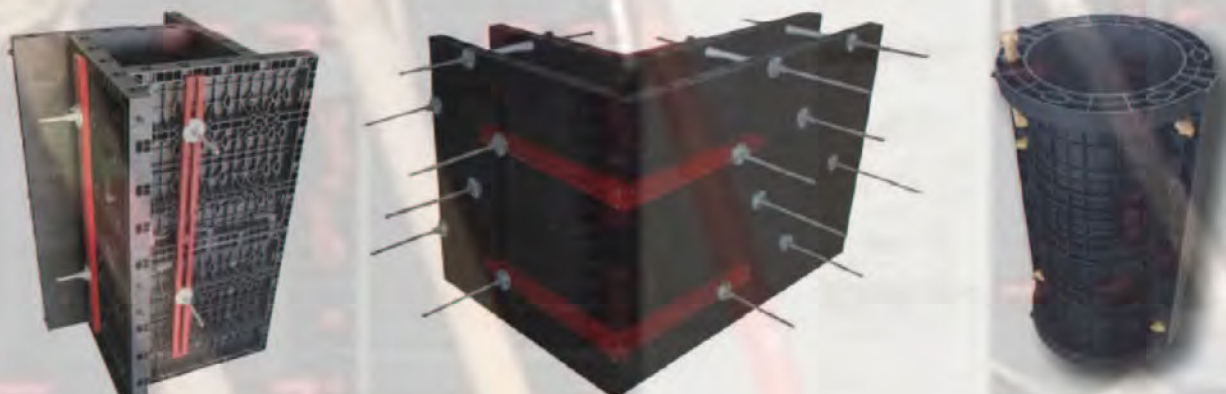
The handles are made by high strength Nilon, each panel locked by at least 4 hands, which makes the whole system strong enough to pour 40cm walls.

Environment friendly:

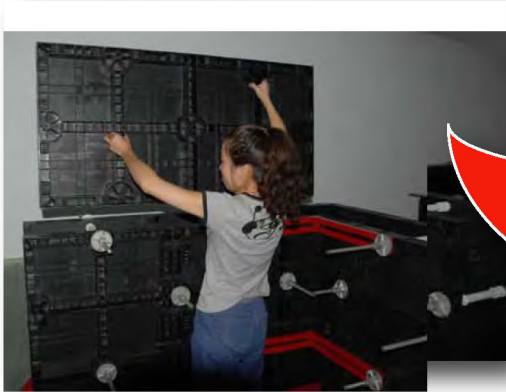
The system need not cut and nail due to the variety size, and nearly need no wood, the material can be recycled after broken, will not pollute the enviroment.

Consequent:

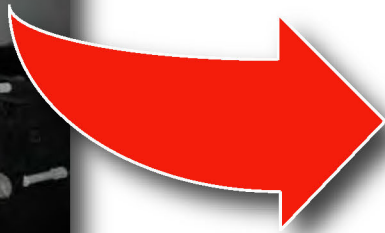
Concrete does not stick to plastic, thus the panels need no oil before using, and can be cleaned simply by water. The surface of the wall which built by modular formwork is smooth, can be left without rework.



handler

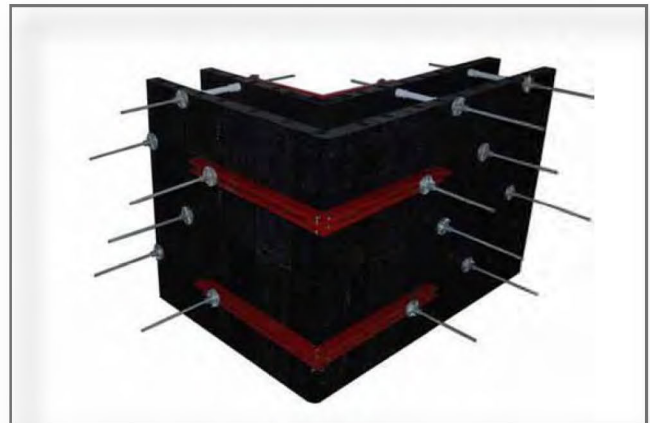


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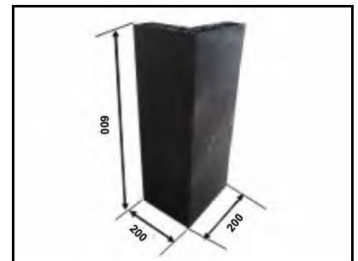


modularity

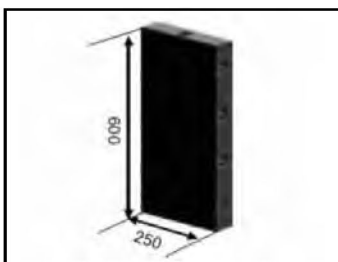


120x60 panel (act size 120x60cm)
weight 10.5kg

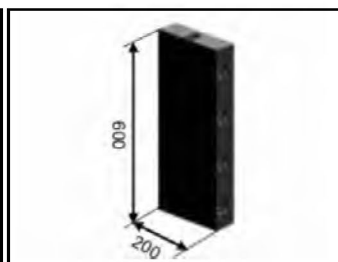
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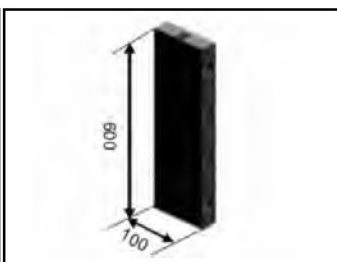
inner corner (act size 20x20x60cm)
weight 3.8kg



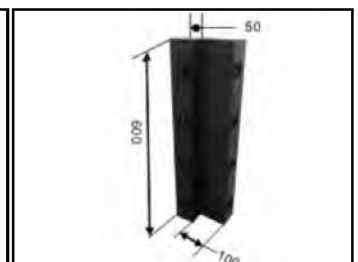
25x60 panel (act size 25x60cm)
weight 2.6kg



20x60 panel (act size 20x60cm)
weight 2.2kg



10x60 panel (act size 10x60cm)
weight 1.6kg



ourer corner (act size 10x5x60cm)
weight 2kg

strength



The material of modular formwork is PC-ABS mixed with special glass fibres which enable panels to hold high pressures. The handles are made by high strength Nilon, each panel locked by at least 4 handles, which makes the whole system strong enough to pour 40cm walls.

=



+



enviroment friendly

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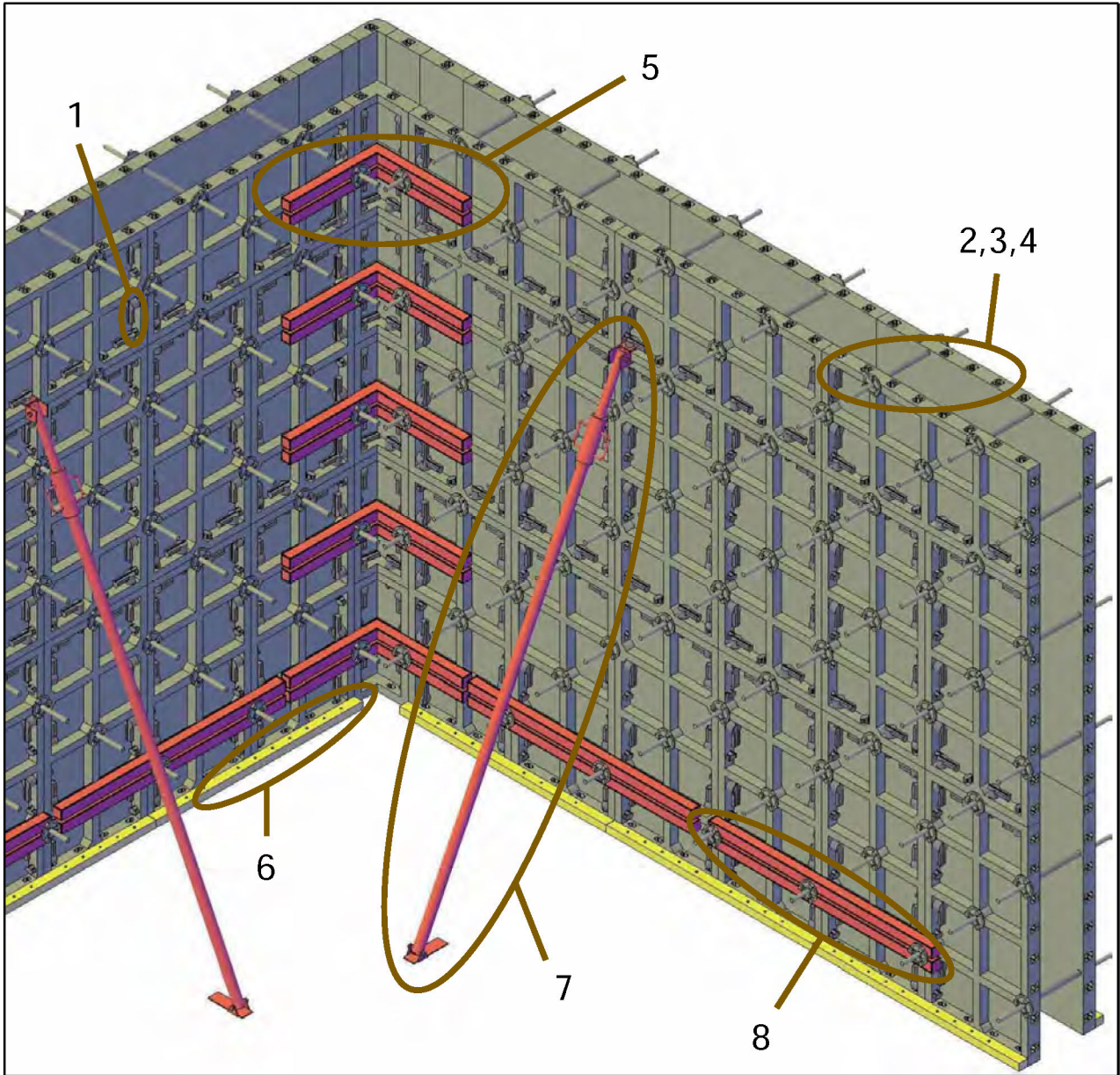


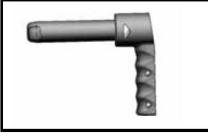


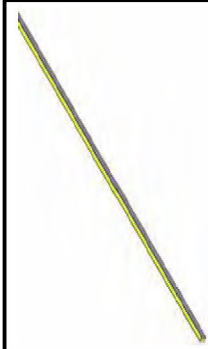



consequent

Concrete does not stick to plastic, thus the panels need no oil before using, and can be cleaned simply by water. The surface of the wall which built by modular formwork is smooth, can be left without rework.

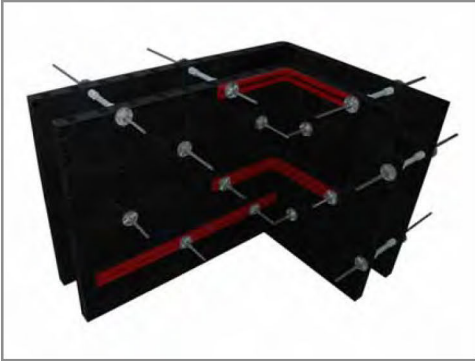


corner wall



| | | | | | | | | | | | |
|---|---|---|--|---|---|---|------|---|------|---|---------------------------|
| 1 | handle | 3 | tie rod | 5 | reinforceme bar 500x500 | 6 | wood | 7 | prop | 8 | reinforcement bar 1300 |
|  |  |  |  |  |  | | | | | | |
| 2 | win nuts | 4 | spacers | | | | | | | | |
|  |  | | | | | | | | | | |

walls and corners



Using modular formwork, it is possible to pour up to 40cm thick and 3 meters high straight walls one time. Combining with special corners and compensation panels, right angle walls, three way T-walls and four way cross walls can be formed easily. The low weight and modularity of modular formwork makes it ideal for fence walls as it is possible to move large gangforms by hand.

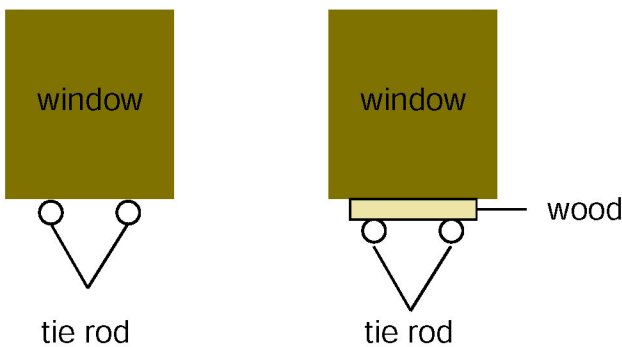
basins and elevator shafts

The low weight of modular formwork simplifies the pouring of tanks, basins and swimming pools in areas with limited or no access to heavy equipment. Modular formwork also ideal for elevator shafts as it can use without aid of crane, can make an easy, fast and precise job by hand.

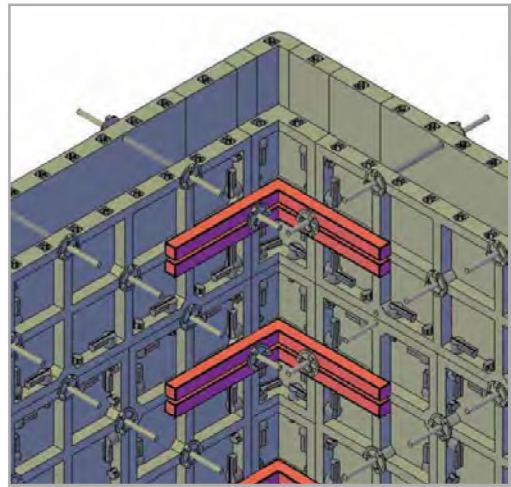
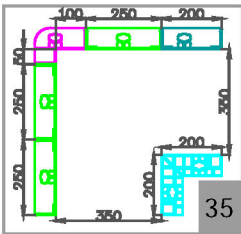
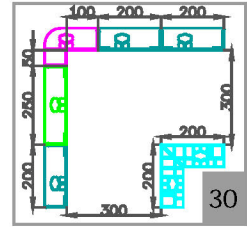
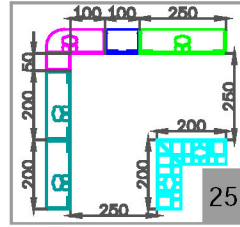
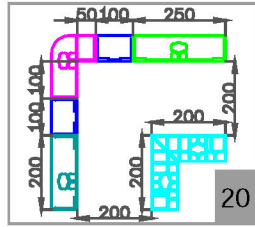
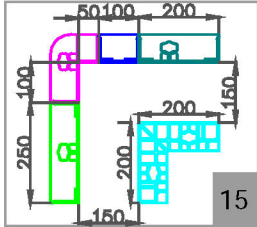


doors and windows

To make doors and windows by modular formwork is simple, by inserting inside the formwork a wooden frame corresponding to the size of the opening needed, and then pour the walls with doors and windows.

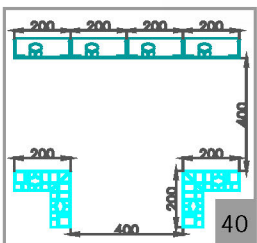
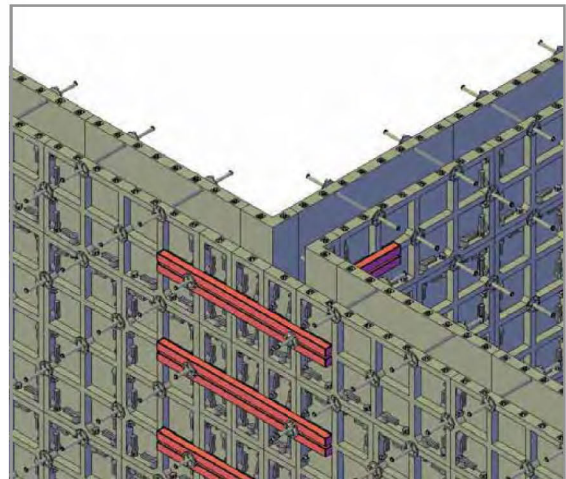
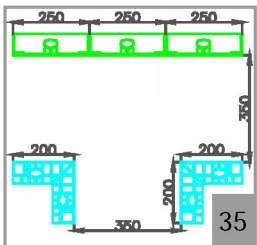
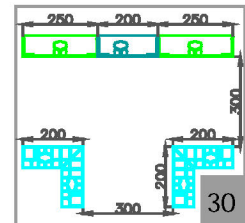
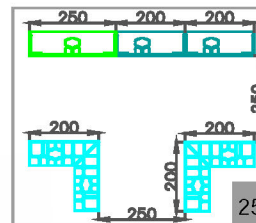
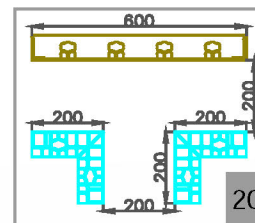
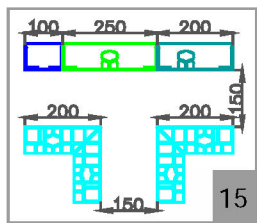


corner wall configuration



combined with outer corner, inner corner and appropriate size panels, modular formwork can make corner walls easily.

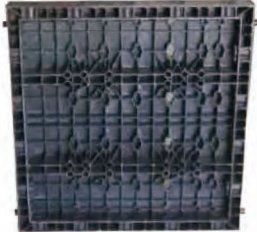
T wall configuration



combined with inner corner and appropriate size panels, modular formwork can make T-corner walls easily.

column

Pict.1) OUTER VIEW OF THE PANEL



Pict.2) INNER VIEW OF THE PANEL



Pict.3) "STAR" FIGURATION



Pict.4) INNER VIEW OF TWO JOINED PANELS



Pict.5) ALIGNEMENT BAR



PRODUCT : Column panel, modular shuttering panel for pillar.

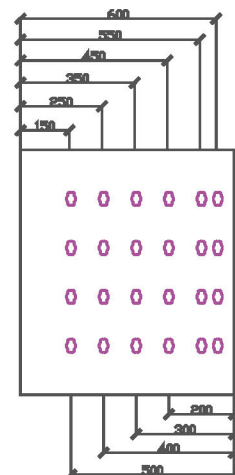
DESCRIPTION : Column panel is a modular shuttering panel, made of high impact resistant PP plastic, for reinforced concrete columns, pile caps and walls. The panels are engineered to interconnect or thogonally in different positions, creating a "star"-shaped formwork of variable size.

The column panels are interconnected using the standard nylon locking handles. Each panel will require 9 handles. The forming face has 6 parallel rows of fixing holes to allow the orthogonal connection of the panels in a "star" shape. The rows are placed at a distance of 100/50mm the one from the other, allowing the forming of square and/or rectangular columns with side of 150 to 600mm.

There is a series of holes in the middle of the panels for the passage of tie rods. The position of the holes is asymmetric to avoid conflict between crossing tie rods. All unused holes are closed with plugs.

A column 3m height is formed with 16x column panels, 8 x tie rods, 16 x washers, 144 x handles, 4 vertical steel reinforcement bars.

showing of different size of column



PROJECT GALLERY



● List of Other Products We Provide:

CMAx Universal Panel Formwork System
Assorted-Assembly Whole-Steel Large Formwork System
Timber Beam Formwork System
Aluminium Formwork System
Fair-Faced Concrete Formwork System
Single-Sided Formwork System
Cantilever Formwork System
Automatic Climbing Formwork System
CMAx Aluminium Slab Formwork System
H20 Slab Formwork System
Hanging Cantilever Formwork
Bridge & Tunnel Formwork System
Special Formwork
Ring System Scaffolding
Frame-Connected Scaffolding
Cup-Lock Scaffolding
Ring-Lock Scaffolding
Steel-Tube Scaffolding
Scaffolding Accessories
Timber H20 beam
Adjustable Steel Prop
Plywood
Typical Project



CNBM

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