




PLASTOFORM

PLASTIC FORMWORK SYSTEM

**MODULAR FORMWORK
FOR RCC WALL, COLUMN & SLAB**

- ✓ **LIGHT**
- ✓ **REUSABLE**
- ✓ **SUSTAINABLE**

 +91 958 100 5050

Plastic Formwork

Plastic Formwork is a modern innovation in the construction industry, known for its lightweight properties, fast installation, and high-quality output. It is particularly effective for projects requiring quick turnaround times, especially where structural components like columns, beams, and slabs follow standard dimensions. This system delivers precise, high-quality construction with optimal cost-efficiency and a superior surface finish.

Widely used across various types of construction—from residential buildings to large infrastructure projects — Plastic Formwork is suitable for casting walls, slabs, beams, and columns. It serves as a highly efficient alternative to traditional Formwork materials like wood, plywood, and MS steel, which are becoming outdated and more costly.

In addition to its technical advantages, Plastic Formwork is 100% recyclable, making it an environmentally friendly choice. By reducing the need for timber-based materials, it helps combat deforestation and contributes to more sustainable construction practices.

- **Faster & light-weight**
- **Certified, fast delivery & low maintenance**
- **Universal, simple, Productive & high strength**

- ✓ **EFFECTIVE**
- ✓ **EFFICIENT**
- ✓ **ECOFRIENDLY**

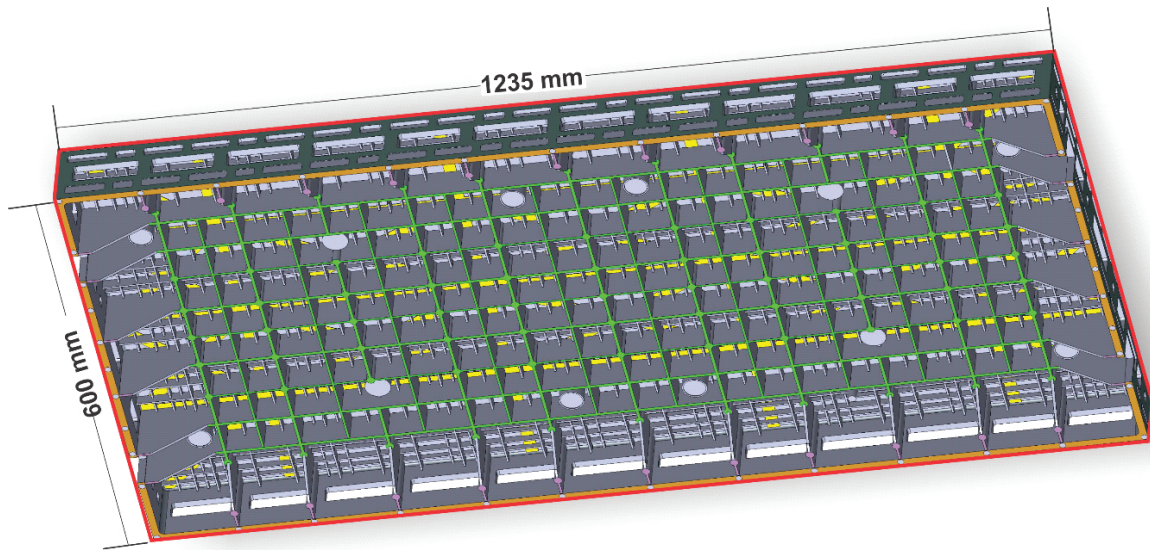
Plastoform Solutions

Plastoform solutions is India's second largest & fastest growing manufacturers of Plastic Formwork Systems (widely known as plastic centring / plastic shuttering). Our new & innovative plastic panels are modular, lightweight & durable. They also increase productivity & efficiency at construction site while reducing the environmental impact.

Plastoform is formed by a group of entrepreneurs with more than 25+ years of experience in plastic injection molding & 15+ years of experience in marketing & construction.

Our manufacturing unit is equipped with latest injection molding machines with high accuracy & cutting-edge Robot systems, the annual production capacity of 1,00,000 Sq. Mtrs, spread over 40,000 Sft & based in Hyderabad, Telangana, India.

Sizes



PANEL NAME	SIZE (MM)	SIZE (INCH)	WEIGHT (KGS)	AREA (SQ MTR)
600 P	600 x 1235	24 x 48	14.5	0.74
500 P	500 x 1235	20 x 48	13.5	0.61
350 P	350 x 1235	14 x 48	7.6	0.43
300 P	300 x 1235	12 x 48	7.0	0.37
230 P	230 x 1235	9 x 48	5.7	0.28
200 P	200 x 1235	8 x 48	5.1	0.25
150 P	150 x 1235	6 x 48	4.3	0.20
100 P	100 x 1235	4 x 48	2.0	0.13
10 P	10 x 617	4 x 24	0.5	0.1
IC 100	100 x 1235	4 x 48	3.0	0.25
OC 80	80 x 1235	3 x 48	1.3	0.1

Features & Benefits

- ✓ Light Weight
- ✓ 100+ Repetition
- ✓ No Plastering Required
- ✓ Saves Labor, Time & Money
- ✓ Fast Erection & Dismantling
- ✓ Easy To Use, Maintain & Store
- ✓ Modular System
- ✓ Interlocking System
- ✓ Zero Wastage
- ✓ Outdoor Storage
- ✓ No Releasing Agent
- ✓ No Nails, Binding Wire
- ✓ 20-25% scrap value
- ✓ 100% Recyclable After Use



**Light
Weight**

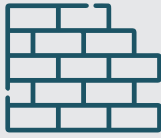


Fast



Handling

Application



Retaining walls



Shear walls



Columns



Elevator shaft box



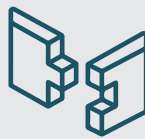
Infra Projects



Slabs



Lentel



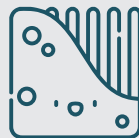
Foundation



Swimming Pool
& tanks



Drainage



Precast Structures

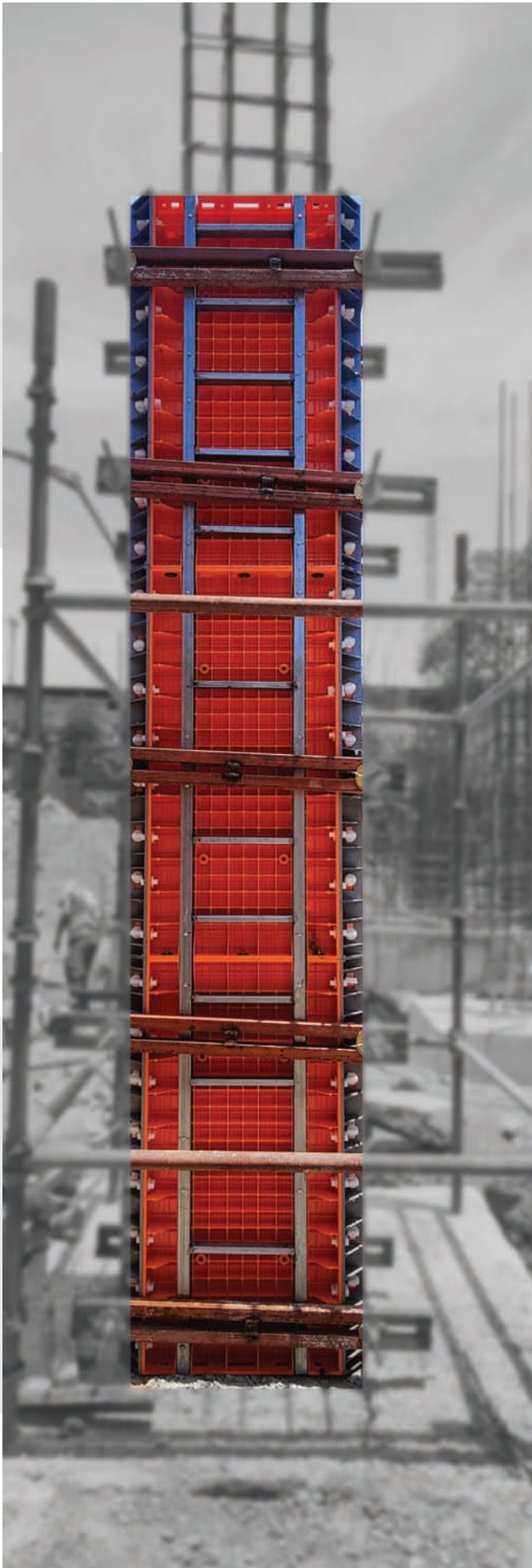


ESR

Formwork Comparison

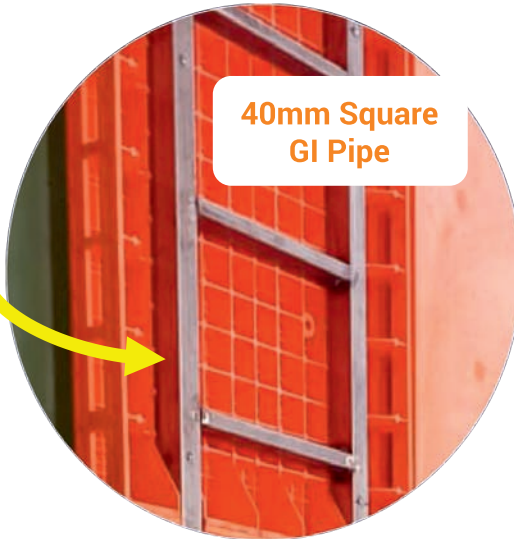
FORMWORK FEATURES	PLASTIC	PLYWOOD	METAL	ALUMINIUM
Size (Ft)	MODULAR SIZE PANELS	8×4	3x2	Modular panels
Weight (Per Sq Mtr)	20 KGS	18 kgs	28 kgs	22 kgs
Accessories	-	Runner & Square Pipe/Nails	Nails & Binding wire	-
Repetition	80-100	5-10	50-70	100+
Lifetime Value (INR/ Sft)	6/	18.5/-	4.4/-	7.5/-
Load/ Sq Mtr	5 TONS	4 Tons	4 Tons	6 Tons
Plastering	NOT REQUIRED	Not required	Required	Not required
Finishing	GOOD	Good	Bad	Good
Scrap Value	20-25%	0%	10-15%	30%
Time To Erect/ Dismantle	FAST	Very slow*	Slow	Fast
Skilled Labour	VERY LESS	Required*	Required	Very less
Theft Chance	UNLIKELY	Unlikely	Highly likely	Highly likely
Corrosion	No	Yes	Yes	No
Storage	OUTDOOR	Indoor	Indoor	Outdoor
Crane	NOT REQUIRED	Not required	Not required	Required
Accuracy	YES	No	No	Yes
Finishing	BEST	Best	Require plastering	Best
Supervision	LIKELY	Highly likely	Highly likely	Likely
Wastage	NIL	10-15%	Nails/ Binding Wire	NIL
Availability	AVAILABLE	Available	Available	Very limited

*Most of the work is done on site by Carpenters.





In-built Support System



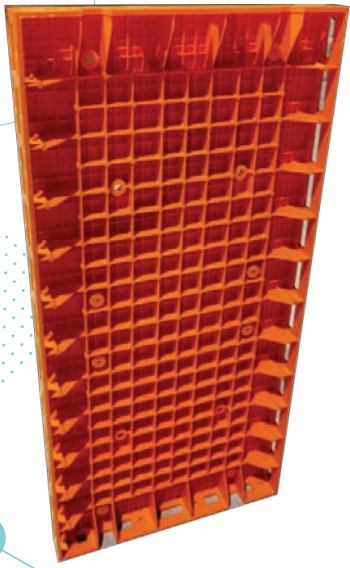
The 40X 40 Square GI Pipe is inbuilt with Panel and increases the Load Bearing Capacity to

5 Ton / Sq Mtr

Plastic Locking System



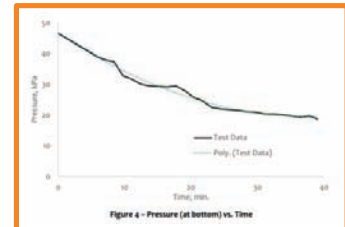
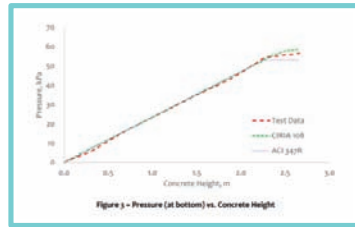
Design Data



*Test done by NABL certified Lab

TEST RESULTS

S. No.	Test Parameters	UOM	Results
1	Allowable Bending Moment	kN.m	5.02
2	Shear Load	kN	11.4
3	Flexural Rigidity (EI Value)	kN.m ²	455
4	Allowable Bearing Load	N	49800
5	Lateral Pressure due to concrete	kPa	<ol style="list-style-type: none"> 1. The pressure transducer is placed at 100mm above from the bottom of formwork. 2. The lateral pressure due to concrete is measured as 52.5 when the concrete height is 2.51m.



Used by





PLASTOFORM


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