



ALSTONE
PP HOLLOW FORMWORK



ABOUT COMPANY

The Alstone brand came into existence in 2004, when we started manufacturing Aluminium Composite Panel (ACP). This fairly new venture proved highly successful, post which we stepped foot into the interior segment with providing WPC and Silicone Sealant in the year 2011, which also marked us as the only Silicone manufacturers in India.

The Alstone Group which was founded in the year 2004, has now grown into an enormous US\$ 60 million group with diverse business interests. Alstone encompasses different area of interest inclusive of Panel & Panel Products, Chemicals Products, and Exterior Facade Products. We are driven by our constant effort to maintain Quality and Services in all our products. Our global reach expands across 10 countries and a vast network of dealers in India. The Alstone Group employs 1500 people across three manufacturing sites and 9 offices in India.

Our extensive range of products make Alstone Industries the Nation's leading manufacturer and exporter of interior Building Products. We have committed ourselves to uphold the highest manufacturing standards, a practice that has earned our facilities certifications inclusive of ISO 9001, ISO 14001 and GREHA certifications.

PRODUCT INFORMATION



PP Hollow plastic formwork is a kind of energy-saving and green environmental protection product, pp plastic combined with macromolecule nano-technology. Plastic formwork is a new product after wood formwork, composite steel formwork, bamboo-wood bonding formwork and all-steel large formwork. Hollow plastic formwork is energy saving and environmental protection, and can completely replace the traditional steel formwork, wood formwork, square wood, What's more, its amortization cost is very low.

Considering the labour problem & cost of formwork system we at Alstone thought to develop an alternative formwork system which could help the industry to not only reduce construction cost but also a system that is easy to install, dismantle & handle. We were able to successfully develop for the first time in India a PP plastic formwork which can overcome most of the issues discussed above.

TECHNICAL INFORMATION	
Dimensions	8X4 FT
Colors	White and Grey
Thickness	12MM & 15MM

PRODUCT APPLICATION

- Roof Forming • Building Wall • Pillars

Cost Analysis Of Alstone Polypropylene Hollow Plastic Formwork

This system gives more than 50 repetitions; hence running cost is low. The final RCC work will get smooth finish with minor joint line which does not require plaster. One can do putty & paint it. With this system one can save @ `16 / sq. ft. if you don't do plaster and hence it is cost effective.

– This systems is made from special grade PP plastic and hence no chemical reaction take place nor the material stick to it. Because of this property you cannot get any patched on the RCC finish. Also the gap between two plates are so negligible that no water nor cement gets leaked out at the time of RCC & it gets curing from the bottom of the plate also, which enhance the final quality of RCC casting .

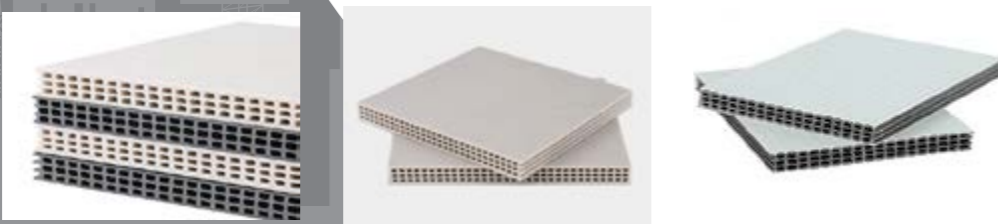
– Comparatively our foam systems are very less in weight compare to conventional M.S. Plate (1/4th) and Plywood (1/2). Hence it is very easy to install, dismantle, transport from one place to another. Due to easy plugging systems & east to fit makes this foam shuttering systems most labour friendly.

– By using Alstone PP shuttering sheets one need not nail or apply oil to the plates before casting RCC. Due to auto leveling of plugging systems the plates are automatically leveled. Hence 30 % time is saves in assembling & also while dismantling the same.

– All existing traditional scaffolding systems can be use in Alstone PP plastic Shuttering ply comfortably. You can cast Slab, Beam & Column, etc. A lot of the parts in the Shuttering ply are supportive to each other and you can cast a beam from 9 inch to 21 inch by this same plate by simply adjusting the locking systems.

– Alstone PP hollow plastic shuttering ply is made from waste products which are recycled and it's long lasting and gives more than 50 repetitions. It replace plywood's which consumes trees and M.S. which consumes iron ore from our planet earth. Our products help in preventing this precious metal from our earth.

– After every usage of Alstone PP Shuttering ply once can easily clean the plates by water. Where as in M.S. plate one have to apply oil to clean the M.S. surface plates. In PP plastic shuttering sheet if any breakage occurs by mishandling it can be very easily sealed by low voltage hot air gun.



Advantages:

- 1 Light weight, high strength, high hardness, impact resistance, wear resistance.
- 2 Surface is smooth, bright and clean; Concreting and forming effect is good.
- 3 No absorption of moisture, no deformation, no mildew; Long-term immersion stratification in the water, no bubbles, sheet size stability, especially suitable for underground and damp environment.
- 4 Good toughness. pp hollow sheet could be used as cambered special-shaped formwork.
- 5 Acid and alkali resistance, corrosion resistance, it doesn't need to do any preservative treatment both in using and storing the formwork, and do not pollute the concrete surface.
- 6 The reusable time for pp hollow sheet can reach more than 50 times, long service life.
- 7 PP hollow plastic formwork in construction was easily install and removed, only tapping not releasing agent .



How To Use Alstone Polypropylene Hollow Plastic Formwork

Method of use plastic building formwork as well as wooden formwork, plastic building formwork reinforcement direction with batten direction placed in cross shaped.

No need to smear the mold release agent before using building plastic formwork construction.

When cast-in-place the flat plate, spacing between the keels should be 20 ~ 25 cm, and the spacing between the wall plate and keels should be 10 ~ 20 cm. Hollow plastic building formwork in construction don't need releasing agent.

The seam-line between plastic building formwork in construction should be taped.

The length of nail should not be too long, generally about 30 ~ 35 mm.

The strength to drive nails should be moderate.

When removing the reusable plastic formwork, please start from the small part of one end, the support and the plates should be removed at the same time aiming at preventing the template widespread drops, don't let the corner drop on the ground vertically.

The plastic building formwork accesses to be mixed used with wood veneer, bamboo veneer and other material plate.

COMPARISON OF ALSTONE TO OTHERS

PERFORMANCE	ALSTONE	MODULAR PLASTIC FOAM WORK	PVC PLASTIC FOAM WORK	PLYWOOD	BAMBOO PLYWOOD	METAL FOAM WORK
Wear resistance	Good	Good	No	No	No	No
Corrosion resistance	Good	Good	No	No	No	No
Tenacity	Good	Bad	---	---	---	---
Impact strength	High	Easily broken	Normal	Poor	Poor	High
After absorbing water	No deformed	No deformed	Deformed	Deformed	Deformed	Deformed
Release agent	No need	No need	Need	Need	Need	No
Wrap used	No	No	Yes	Yes	Yes	No
Weight (kg/sq)	6	10	15	7.2	7.5	
Recycle	✓	✓	✓	---	---	---
Bearing capacity	High	Bad	Normal	Normal	Normal	Hard
Eco friendly	✓	✓	✓	---	---	---
Cost of use	Low	Higher	High	Higher	Higher	Higher
Reusable time	Over 60	Over 60	20-30	3-6	6-8	100



ALSTONE

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“Alstone is keen on green, we have always looked forward to a sustainable future and thus have introduced a complete range of WPC based products”



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