

# Aluply

A versatile modular panel system for vertical formwork application



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**Aluply**

## Product introduction

Aluply has been developed keeping in mind of Indian construction industries difficulties like labour skill set, weight handling. This product will work for the purpose of vertical formwork application such as wall and column.



This system can be planned & utilized structures such as retaining Wall, Footings, plinth beam, core wall, shear wall and column, etc.

This product is ideal solution for any type of climbing formwork used in highrise & infra projects





Sizes in widths in mm  
300, 450, 600, 750 mm

Sizes in heights in mm  
1200  
1500  
2400  
3000

Universal panels designed for  
50 mm incremental to  
decrease/increase column  
sizes



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## Product Features

Aluply is available in various standard sizes. It's pick & play concept allows versatility wherein column formwork can be converted into wall formwork and vice versa.

All panels are universal panel that provides the flexibility of change in size. It is actually benefiting by saving the further investment cost.



## Material used in Aluply

Aluminium section profile 6061 – T6 grade.

Frame making through PLC sawing machine and welded with branded filler coils

12mm Birchply imported from Russia.

9ply core with each 1.4mm veneer has no joints leads to much longer repetitions when secured in frame.

Light weight panel system – 18kg per sqm approx still designed for 60 Kn/sqm concrete pressure

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## Technical Features

Aluply is made out of aluminium hollow sectional frame with high quality Russian Birchply sheeting. 12mm Plywood sheeting is protected with frame and sealing agent.



### Technical specifications

Parameters	Values
Density kg/cubic meter	640-700
Moisture Content %	8-10
<b>Minimum Ultimate strength MPa</b>	
Shear along the glue layer	1.5
Static bending along the grain (Outer layer)	25
Tension along the grain	30
Minimum elastic module, MPa	7000



## Connecting accessories

- Tierod – hot rolled 180 Kn breaking load
- Wing nut – galvanized or Zinc plated – 180 Kn breaking load
- Anchor plate or waller plate – galvanized
- Anchor nut & corner connector
- Pin & Wedge

- 20x20 Inside corner – steel with paint finish
- Outside corner – steel with paint finish

- Alignment prop in paint finish
- CT 340 DN prop
- CT 180 DN prop
- Head adaptor & Foot Adaptor assembly

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## connecting accessories

Its connecting accessories are processed with high quality steel items from primary supplier and matching with international standard.



# THANK YOU

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