



PLY & BOARD



**CPL**<sup>®</sup>  
STEEL<sup>©</sup>



## TECHNICAL DATA

### Loading and Deflection

By taking the maximum permitted deflection as 1:270 (viz 1/270 of the span between the bearers), the following data gives the maximum loads per sq. mtr.

(a) When the face grain of **CPL** Resin Film Densified Wood plates is parallel to grain bearers.

Centre distance to bearer	Loading (Kg./sq.m.)	
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	9 mm	12 mm
30 cm (12")	980	1650
40 cm (16")	450	700
50 cm (20")	250	540
60 cm (24")	160	230

(b) The face grain of the **CPL** Coated Plywood is perpendicular of bearers:

Centre distance to bearer		
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	9 mm	12 mm
30 cm (12")	1600	2750
40 cm (16")	700	1127
50 cm (20")	425	845
60 cm (24")	250	490

The above loads apply when concrete is laid on **CPL** Concrete Shuttering Plywood as in slabs and beams. The same thickness of concrete in a wall can be held without excess deflection by using even thinner Marine ply-woods panels.

The Following are the minimum bending radii of **CPL** Resin-Film Densified wood Plates When Dry:

Thickness	Across to grain of the outer ply	Parallel to the grain
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9 mm	210 cm	350 cm
12 mm	290 cm	435 cm



## RESIN (PHENOL) COATED PLYWOOD

**CPL** Plywood Resin (Phenol) Coated is manufactured from imported Gurjan/ Kuring, timber Veneer bounded with high quality Phenol Formaldehyde Synthetic Resin conforming to IS : 848-1974 Under high pressure and temperature. The **CPL** Resin (Phenol) coated plywood is immune to severe climatic conditions and the effect of cold, warm and boiling water. **It is very dimensionally stable and extremely durable and can be used number of times to save shuttering cost.**

### STANDARD SIZE

2.44 x 1.22 mtr. 2.44 x 0.92 mtr.  
2.44 x 1.22 mtr. 2.14 x 0.92 mtr.  
1.84 x 1.22 mtr. 1.84 x 0.92 mtr.

### STANDARD THICKNESS

9 mm, 12 mm or as per demand



## CPL STEEL

The **CPL** STEEL Plywood is made of 100% Gurjan wood (i.e. the logs are 80-90 Years matured) that is found in tropical forests of Malaysia, Myanmar and Indonesia and is technological proven to be the best raw material for manufacturing quality plywood, i.e. Class -I, durable type hardwood. The durability and grade of testability is based on researches undertaken by the Forest Research Institute & College, Dehradun as depicted in App-B (Cl: 7.3) of IS : 401 : 1962

Each and every layer of veneers are treated individually with Boric Borex Solution in addition to the glue line poisoning done to further augment the timber durability for longer life under several condition of services

We apply a well phenol formaldehyde synthetic adhesive of boiling water proof grade as per IS : 848:1974. Hot pressed under controlled temperature and high pressure for specific time. The final product is treated with CCB preservative solution as per IS : 5539-1969 with high retention of preservatives on solid basis.

### STANDARD SIZE

2.44 x 1.22 mtr. 2.44 x 0.92 mtr.  
2.44 x 1.22 mtr. 2.14 x 0.92 mtr.  
1.84 x 1.22 mtr. 1.84 x 0.92 mtr.

### STANDARD THICKNESS

4mm, 6mm, 9mm  
12mm, 16mm, 19mm



## TECHNICAL DATA

<b>Timber</b>	<b>: Gurjan/ Keruing</b>
<b>Veneer Density</b>	<b>: Uniform Balanced Construction</b>
<b>Density of Plywood</b>	<b>: Approx. 825 Kg/m3</b>
<b>Adhesive</b>	<b>: BWP IS : 848 - 1974</b>
<b>Moisture Content (%)</b>	<b>: 8% - 12%</b>
<b>Glue Sheer Strength (KgF/sq.inch)</b>	<b>: Minimum 135</b>
<b>Water Resistance Test (KgF/sq.inch)</b>	<b>: Minimum 110</b>
<b>Mycological Test (KgF/sq.inch)</b>	<b>: Minimum 110</b>
<b>Water Absorption 24 hrs boiling</b>	<b>: &lt;3%</b>
<b>Bonding</b>	<b>: Excellent</b>
<b>Guarantee</b>	<b>: Lifetime</b>



## BLOCK BOARD

IS : 1659

**CPL** marked Block Board are made from KILN seasoned and preservative treated imported pine wood timber. Selected imported Gurjan/Keruing wood veneer on it gives the board high mechanical strength and high screw holding capacity. Block Boards are pressed under temperature and pressure and are bonded with superior grade phenol formaldehyde resin (Conforming to IS 848) : 1974) resulting in a product with high dimensional stability and excellent insulating properties. CPL Boards are weather proof and do not twist under working conditions; and preservatives are used in our boards to make them resistant to borers & termites.

### APPLICATIONS

Table Tops, Living Rooms, Bedroom, Study Rooms, Kitchen Cabinets & Door Panels

### STANDARD SIZE

2.44 x 1.22 mtr. 2.44 x 0.92 mtr.  
2.44 x 1.22 mtr. 2.14 x 0.92 mtr.  
1.84 x 1.22 mtr. 1.84 x 0.92 mtr.

### STANDARD THICKNESS

16 mm, 19 mm, 25mm , 30mm



## MARINE PLYWOOD

IS : 710

**CPL** Marine Plywood is manufactured from imported Gurjan (i.e. the logs are 80-90 year matured) timber bonded with high quality Phenol Formaldehyde resin conforming to IS : 848-1974. it is pressed under high pressure and temperature, treated with specific preservatives of high retention conforming to IS : 5539-1969.

**CPL** Marine Plywood is therefor boiling water proof at 1000 for 108 hrs. -dimensionally stable and ideal for long lasting service.

Marine Plywood can withstand rigorous climatic conditions, alternate dry and wet weather. it is also termite resistant, borer & Powder proof.

Structurally strong, dimensionally stable and long lasting, the product can be used separately under varying climatic conditions.

### APPLICATIONS

**CPL** Marine Plywood is used in shuttering, frame work of concrete columns, beams slabs, ships, water tanks & cooling towers. Widely used nowadays in cargo containers, railway coaches, Kitchen Interiors, Truck, Buses faces, ceiling and domestic furniture.

### STANDARD SIZE

2.44 x 1.22 mtr. 2.44 x 0.92 mtr.  
2.44 x 1.22 mtr. 2.14 x 0.92 mtr.  
1.84 x 1.22 mtr. 1.84 x 0.92 mtr.

### STANDARD THICKNESS

3.5mm, 6mm, 9mm ,  
12mm, 16mm, 19mm, 25mm



## CONCRETE SHUTTERING PLYWOOD

**CPL** Concrete Shuttering Plywood is manufactured from specified durable Gurjan hardwood (i.e. the logs are 80-90 years matured) bonded with high quality Phenol Formaldehyde resin conforming to IS : 848-1974. It is pressed under high pressure and temperature and treated in with specific preservatives of high retention conforming to IS : 5539-1969. **CPL** Concrete Shuttering Plywood is therefor boiling water proof, dimensionally stable and ideal for a long lasting service.

**CPL** Concrete Shuttering Plywood is used for all kinds of shuttering and centering work in construction of building, dams, flyovers, bridges, tunnel, beams, roofing. Other uses : worksite offices, Milk-booths, barracks, high altitude military houses, bus bodies, railway coaches, stall & pavilions, sheds, luggage racks, cooling towers, and ship building etc.

### STANDARD SIZE

2.44 x 1.22 mtr. 2.44 x 0.92 mtr.  
2.44 x 1.22 mtr. 2.14 x 0.92 mtr.  
1.84 x 1.22 mtr. 1.84 x 0.92 mtr.

### STANDARD THICKNESS

3 mm, 4 mm, 6 mm , 9 mm 12 mm  
16 mm, 18 mm, 19 mm 22 mm  
& 25 mm





## TECHNICAL DATA

### Loading and Deflection

By taking the maximum permitted deflection as 1:270 (viz 1/270 of the span between the bearers), the following data gives the maximum loads per sq. mtr.

(a) When the face grain of **CPL** Resin Film Densified Wood plates is parallel to grain bearers.

Centre distance to bearer	Loading (Kg./sq.m.)	
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	9 mm	12 mm
30 cm (12")	760	1220
40 cm (16")	320	540
50 cm (20")	195	390
60 cm (24")	110	170

(b) The face grain of the **CPL** Coated Plywood is perpendicular of bearers:

Centre distance to bearer	Loading (Kg./sq.m.)	
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	9 mm	12 mm
30 cm (12")	1270	1950
40 cm (16")	540	850
50 cm (20")	320	640
60 cm (24")	170	360

The above loads apply when concrete is laid on **CPL** Concrete Shuttering Plywood as in slabs and beams. The same thickness of concrete in a wall can be held without excess deflection by using even thinner plywoods panels.

The maximum load shown above should be reduced to 75%, if wet boards used.

### BENDING RADII

The minimum bending radii of **CPL** Concrete Shuttering Plywood When dry:

Thickness	Across to grain of the outer ply	Parallel to the grain of outer ply
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6 mm (1/4")	90 cm	125 cm
9 mm (3/8")	165 cm	215 cm
12 mm (1/2")	255 cm	330 cm



## FLUSH DOOR

The **CPL** Flush Doors are manufactured with seasoned imported pine wood battens, Gurjan/Kuring 2.5 mm thick core, A grade & imported face veneers and pressed at high pressure with phenol formaldehyde and to meet BIS 2202 (Part 1) 1983.

The **CPL** Flush Doors are dimensionally stable, termite resistant, moisture resistant and so durable, they last for generations.

### APPLICATIONS

1. Seasoned pine wood, phenol formaldehyde resin and hot press process make Flush Doors water proof, Weather proof and free from delamination and warping.
2. Dimensionally stable and extremely durable
3. Chemically treated for resistant to termite.
4. Ideally suited for both outdoor and indoor used.
5. Smooth face veneer that suits any decor, whether the doors are painted or polished.
6. Excellent insulating properties. Keeps out heat and muffler sound effective.
7. Being extremely strong, they make every house or flat totally safe.
8. Three types of Flush Doors available : Commercial, One Side teak and both side teak

### STANDARD SIZE

2005 x 900 mm  
2005 x 800 mm  
2005 x 700 mm  
1905 x 900 mm  
1905 x 800 mm  
1905 x 700 mm

### STANDARD THICKNESS

25 mm, 30 mm, 32 mm , 38 mm, 40 mm

Other sizes available on request



**NOW INDIA'S BEST PLYWOOD**

Email : [info@cplplywood.com](mailto:info@cplplywood.com) Website : [cplplywood.com](http://cplplywood.com)

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