



# LIGHTWEIGHT PANEL

## PRODUCT DESCRIPTION

100% Ceiba Pentandra is used to manufacture this plywood. Due to Ceiba being light in weight and easy machining, it's suitable for any kind of lamination: CPL, HPL, decorative veneer etc. Being light in weight, they can use used for any application.

## GLUING

**Class 3:** Class 1 (Moisture Resistant) or Class 3 (Boiling Water Proof) bonding with 50-54% solid content – use of the panel in interior/exterior environment (EN 636-3). The special eco-friendly GLP technology makes our plywood highly to borer and powder post beetles.

## FORMALDEHYDE EMISSION

All the light weight Plywood are being manufactured with CARB Phase II & TSCA Title VI emission norms.

## SPECIES

Light weight Plywood are being manufactured using **CEIBA PENTANDRA** only. Face & Back can be of **CEIBA PENTANDRA** or **OKOUME** Veneer.

## SIZES

	STANDARD	UNIT	THICKNESS RANGE							
Standard Sizes	EN 315	mm	2500 X 1250 / 2440 X 1220							
Thickness		mm	<b>4</b>	<b>6</b>	<b>9</b>	<b>12</b>	<b>15</b>	<b>18</b>	<b>20</b>	<b>25</b>
Layer		Plies	3	3	5	5	7	7	9	9

## TECHNICAL SPECIFICATION

TECHNICAL PROPERTIES	STANDARD	UNIT	VALUE
Density	EN 323	Kg/m <sup>3</sup>	400 ± 10%
MR/WBP	EN 310		Can withstand Minimum of 48-72 Hours at 100 °C Boiling Water
Glue Shear Strength	EN 310	N/mm <sup>2</sup>	1000-1350
Bending strength Long grain/Cross grain	EN 310	N/mm <sup>2</sup>	30 to 35
Modulus of elasticity Along the Grain	EN 310	N/mm <sup>2</sup>	3500-4500
Modulus of elasticity Across the Grain	EN 310	N/mm <sup>2</sup>	1500-2500
Nail Holding Value	EN 310	N/mm <sup>2</sup>	700-800
Screw Holding	EN 310	N/mm <sup>2</sup>	1000-1200
Thermal Conductivity	EN 10456	W/m K	0.05
Moisture	EN 322	%	8 - 10% (vary as per EMC)
<b>Dimensional tolerances</b>			
Thickness	EN 315	mm	+ (0.2 + 0.03 t); - (0.4 + 0.03 t)
Length / Width	EN 315	mm	± 3.5
Diagonal	EN 315	mm/m	1

The specific values are average values of production however the specific utilization will determine the values