

<b>PRODUCT CHARACTERISTICS</b>	25/02/15
<b>Technical data sheet</b> <b>- euca plywood -</b>	STRONA 1/3

Technical specifications do not cover any SPECIAL CLIENT'S DEMANDS

### 1. Description of material

Wood based panels consist of odd layers wood veneers(face/back and core veneers)glued to each other.Usually the fibers of adjoining plies have right angle to each other.

Plywood can be produced as special plywood(one species of wood in core veneers).

Veneers:**eucalyptus combi**

### 2. Plywood is manufactured in following type of gluing:

**Exterior plywood with white glue line** :for use in humid conditions(acc.EN 636),produced on the basis of melamine-urea-formaldehyde glue,fulfills requirements of 2 bonding class acc.EN 314-2.

### 3. Phenolic surface film

Basis weight of phenolic surface film 120 g/m<sup>2</sup>

### 4. Thickness and tolerance

Thickness of produced plywood:15mm and 18mm

Thickness tolerance according with EN 315:19-21mm( +0.8 -1.0)

### 5. Size and tolerances for dimensions

Standard size:  
**2500x1250mm**

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On client request there is possibility to produce different size and construction of the plywood.

Tolerance (PN-EN 315)	Length and width	Squareness	Edge straightness
	$\pm 2\text{mm}$	$\pm 1\text{mm/m}$	$\pm 1\text{mm/m}$

#### 6. Characteristics:

Density	500-550kg/m <sup>3</sup>		
Humidity	5-12%		
Bending strength along/across fibers	44.2Mpa /51.3MPa		
Modulus of elasticity along/across fibers	5647 Mpa / 7179 MPa		
Release of formaldehyde	Class E1 0.58 mg/m <sup>2</sup> h		
Reaction to fire	D-s2, d0 (EN13986 Tab. 8 for density $\geq 400\text{kg/m}^3$ and thickness $\geq 9\text{mm}$ )		
Water vapour permeability	Interpolated from EN 13986 TAB 9 FOR DENSITY 550kg/m <sup>3</sup>		
	wet cup	75	dry cup 205
Airborne sound insulation	Calculated per EN13986 section 5.10 using the formula (t=thickness in mm) $R=13 \times \lg(0.6 \times t) + 14$		
Sound absorption coefficient	EN 13986 TAB. 10		
	250-500 Hz:0.1		1000-2000 Hz:0.3
Thermal conductivity	Interpolated from EN 13986 tab 11 for density 550kg/m <sup>3</sup> $\lambda = 0.14\text{W}/(\text{m} \cdot \text{K})$		
Biological durability	Hazard class 3*		
Content of pentachlorophenol (PCP)	EN 13986 section 5.18 <5ppm		

\* The conditions of Service Class 3 may correspond to the biological Hazard Class 3 to EN 335, for which his product can not be used without further treatment and/or appropriate design.

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**7. Storage condition for plywood**

The final moisture in plywood closed up to 12%

Optimum conditons of storage:

Relative air humidity -40 ÷65%

Air temperature - 20 ±5 °C

Plywood in the warehouse should be storage in the way where will not loose their physical and mechanical properties, it should be also protect against humidity and high temperature, because it could cause nonreversible changes. Plywood should be protected against mechanical damages.

**8. Test method:**

Standard	Content of the standard
EN314-1	<b>Plywood</b> -bonding quality-part1:Test method
EN314-2	<b>Plywood</b> -bonding quality-part2:Requirements
EN310	<b>Wood-based panels</b> -Determination of modulus of elasticity in bending and of bending strength.
EN315	<b>Plywood</b> -Tolerances for dimensions
EN322	<b>Wood-based panels</b> -Determinations of moisture content.
EN323	<b>Wood-based panels</b> -Determinations of density.
EN636	<b>Plywood</b> -Specifications
EN717-2	<b>Wood-based panels</b> -Determination of formaldehyde release-Part2:Formaldehyde release by the gas analysisi method.



