

# 18 mm Radiata Pine Plywood



EAGON LAUTARO S.A.  
Ruta 5 Sur km 644  
Lautaro, Chile

Thickness (mm)	Ply	MOE. II (N/mm2).	MOR. II (N/mm2).	MOE. ⊥ (N/mm2).	MOR. ⊥ (N/mm2).	Weight kg / pcs	Weight kg / unit	Pcs unit
18	7	4742	44.18	3912	39.91	26.8	1,447	54

## AC - BC - CpC Degree

### Uses and Applications:

Board excellent appearance, ideal for coating applications either varnished or painted finishes.

### Characteristics:

\*Easy to handle and quick to install.

\*Applied directly on the wooden frame.

\*Suitable for dyeing, painting or varnishing.

\*High dimensional stability and high resistance.

\*Humidity between 8-12 %.

\*Area coverage = 2.947 m<sup>2</sup>.

\* Average density 500 Kg/m<sup>3</sup>

\*Bonded with urea-formaldehyde adhesive (interior), y phenol-formaldehyde (exterior), which ensures high durability.

### Recommendations:

\*To install can be used nails, staples, screws, rivets and adhesives.

<b>Structural (EN-13896)</b>		
<b>Property</b>	<b>18mm AC - BC - CpC GRADE</b>	
	<b>Mor Parallel</b>	<b>Mor Perpendicular</b>
<b>Bending strength (EN-310)</b>	<b>44,18 (N/mm<sup>2</sup>)</b>	<b>39,91 (M/mm<sup>2</sup>)</b>
<b>Modulus of elasticity</b>	<b>4742 (M/mm<sup>2</sup>)</b>	<b>3912 (M/mm<sup>2</sup>)</b>
<b>Bonding quality (EN-314 1/2)</b>	<b>Bondin Class 2</b>	
<b>Moisture resistance</b>	<b>Durable under humid conditions</b>	
<b>Emision of formaldehyde</b>	<b>Phenol Formaldehyde adhesives: E1</b>	
<b>Reactin of fire</b>	<b>Taken from EN-13986 Table 8: D-s2</b>	
<b>Water Vapour Permeability</b>	<b>Taken from EN-13986 Table 9: 500 kg/m<sup>3</sup></b>	
<b>Airborne sound insulition</b>	<b>Calculated in acc To EN-13986 part 5,10 Usin the formula: <math>R=13x lg x 10,2 + 14</math></b>	
<b>Sound absorption</b>	<b>Taken from EN-13986 Table 10: 250 - 500 HZ = 0,10 1000 - 2000 HZ = 0,3</b>	
<b>Thermal conductivity</b>	<b>Taken from EN-13986 Table 11 for 500 k/m<sup>3</sup> = 0,13</b>	
<b>Mechanical durability (Kmod AND Kdef)</b>	<b>Kmod and kdef may be taken from EN-1995- 1-1</b>	
<b>Biological durability</b>	<b>Taken from 335-3: Hazard Class 2</b>	