

## STRUCTURAL PROPERTIES

### Dimensions

Panels are available in any combination of the following dimensions:

Thickness: (mm) 6.5, 9, 12, 15, 18, 25  
 Length: (mm) 2440, 2500  
 Width: (mm) 1220, 1250

A tolerance on the specified thickness of  $\pm 0.40$  mm is assured for sanded grades.  
 A tolerance on the specified length and width of plus zero and minus 1.6 mm is assured.  
 A tolerance in squareness and straightness of 1 mm per meter is assured.

### Structural and Dimensional Properties

Nominal Thickness mm	Nominal Thickness inches	Number of Plies	Face Thickness mm	Face Thickness inches	Average Weight Kg/m <sup>2</sup>	Average Weight lb/sqft	MOR		MOE		MOR		MOE		Panels per Pallet
							//	⊥	//	⊥	//	⊥	//	⊥	
							N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	PSI	PSI	PSI	PSI	
6,5	1/4"	3	2,54	1/10"	3,6	0,7	79,2	16,4	7.883	722	11.488	2.375	1.143.312	104.694	140
9	11/32"	3	3,20	1/8"	4,9	1,0	73,1	14,0	7.325	693	10.605	2.030	1.062.327	100.523	108
12	15/32"	5	2,54	1/10"	6,5	1,3	76,9	35,4	7.982	2.823	11.153	5.133	1.157.683	409.349	80
15	19/32"	5	3,20	1/8"	8,1	1,7	62,4	36,9	6.901	2.933	9.044	5.356	1.000.884	425.327	65
18	23/32"	7	2,54	1/10"	9,7	2,0	58,2	38,8	6.478	3.433	8.439	5.621	939.542	497.863	54
25	31/32"	9	3,20	1/8"	13,5	2,8	54,4	32,9	7.291	2.934	7.889	4.775	1.057.460	425.569	39

**Note:** Weight is measured considering a density of 540 kg/m<sup>3</sup> at 8% moisture content.  
 Strength values were obtained following European EN 310 standard.

### Glue

AraucoPly is glued with a WBP phenolic adhesive. The glue line meets european EN 314 and US PS1-07 standards. TECO and PSI/PTL control in a continuous basis the quality of the glue line.  
 Formaldehyde emission is below E1 level: 0.35 mg/100 g according photometric emission.  
 0.02 ppm according DMC emission.

### AraucoPly Grades

Grading in the mill follows PS1-95 standard.

An Grade High quality solid face. Synthetic repairs not permitted. Boat type wood patches not permitted. Small, wood-based putty repairs are allowed.  
 A Star Grade High quality solid face. Synthetic repairs not permitted. Boat type wood patches accepted up to 6. Small, wood - based putty repairs are allowed.  
 A Grade High quality solid face. Synthetic repairs are accepted up to 6. Boat type wood patches permitted up to 6. Small, wood - based putty repairs are allowed.  
 B Star Grade High quality solid face. Synthetic repairs not permitted. Boat type wood patches accepted up to 6. Small, wood - based putty repairs are allowed.  
 Occasional tight knots up to 25 mm wide are accepted.  
 B Grade High quality solid face. Synthetic repairs are accepted up to 8. Boat type wood patches permitted up to 6. Small, wood - based putty repairs are allowed. Occasional tight knots up to 25 mm wide are accepted.

Following grade combinations are available: A/B, A/C, B/B, B/C, A/A, An/An, An/C