

Excellent Workability  
**FOR ALL YOUR PROJECTS**

TECHNICAL SPECIFICATION SHEET



## Industrial Furniture **Lumber**

Radiata Pine kiln-dried lumber is ideal for furniture manufacturing due to its excellent workability. Our products give all the warmth that Radiata Pine offers to your construction, furniture and carpentry projects.

FURNITURE GRADE (FG4 & FG5) | COL GRADE

## Industrial Furniture Lumber

Radiata Pine kiln-dried lumber is cut from lateral and semi-lateral portions of both pruned and unpruned logs. It is available in a wide range of grades and dimensions.

### Product Features

- Kiln-dried. Moisture content: Average 10%, Max. 15%
- Sourced from certified and sustainable plantations
- Excellent workability: Machining, gluing, painting and treating
- Wide range of dimensions
- Uniform and precise cuts
- Available rough and planed (2 or 4 faces)

### Applications

- Furniture manufacturing
- Moldings and picture frames
- Edge-Glued Panels (EGP)
- Carpentry and Construction

### KILN-DRIED DIMENSIONED LUMBER

Ideal for furniture manufacturing and carpentry projects as its appearance provides cozy environments.

INDUSTRIAL FURNITURE LUMBER - TECHNICAL INFORMATION										
	GRADING									
	FG4		FG5		COL					
<b>Grade</b>	Classified by appearance of the best face.		Does not meet classification standards of FG4.		Graded on the worst face. Each piece will yield at least 50% of clear sections including sound and tight knots cuttings, with a minimum length of 150mm.					
<b>Knots</b>	A maximum of one firm knot is permitted for each lineal meter, with a maximum size of 2". Double spike knots permitted just on the back face.		Knots allowed without restriction, as long as they do not compromise the integrity of the piece.		Knots are accepted as long as they do not compromise the integrity of the piece.					
<b>Pith</b>	Occasional (10% of the pieces) tight pith max. size of 15mm width is accepted with a maximum of 20% on the face or 30% on the back face. Loose pith not allowed.		Tight pith max. size of 15mm width is accepted with a maximum of 30% on the face or 40% on the back face. Occasional loose pith accepted.		Occasional pith is accepted with a maximum of 20% of the piece.					
<b>Wane</b>	Wane accepted occasionally (10% of the pieces), with a maximum size of 6mm x 6mm (pencil wane).		Wane accepted occasionally (10% of the pieces), with a maximum size of 10mm x 10mm over 50% of the piece.		Pencil wane is accepted. Wane maximum size of 10mm x 10mm over 10% of the piece is accepted. Over 20% of the piece just 30% of the total of the pieces per bundle.					
<b>Blue Stain</b>	Not allowed.		Not allowed.		Not allowed.					
<b>Bird's Eye</b>	Not allowed.		Accepted occasionally and with low frequency.		Not allowed.					
Products	Sizes					Tolerance**				
	Thickness*		Width*		Length*	Thickness		Width		Length
	Rough	Planed	Rough	Planed		Rough	Planed	Rough	Planed	
	(nominal mm)		(nominal mm)		(nominal mm)	(mm)		(mm)		(mm)
<b>Furniture Grade (FG4 &amp; FG5)</b>	22 - 36 - 44	19 - 33 - 41	95 - 125 - 145 175 - 195 - 245	90 - 120 - 140 170 - 190 - 240	2,440- 3,050 - 3,660 3,962 - 4,270 - 4,880	-0.5/+3	-0.5/+2	-0/+4	-0/+2	-0/+10
<b>COL Grade</b>	16 - 19 - 22 - 24 - 28 32 - 37 - 45 - 50	-	75 & Up	-	2,400 & Up	-0/+3	-	-0/+3	-	-0/+10

Notes: \* Measurements subject to confirmation. / \*\* At least 90% of products meet these tolerances.

### Our Radiata Pine

- Harvest cycle of 23 years
- Heartwood has an even light brown to chestnut brown color and the sapwood has a creamy white color
- Moderate growth ring figure in flat sawn timber
- Moderately even and fine texture
- Straight grain

Characteristics	Unit	Green	KD (12% MC)
Density	kg/m <sup>3</sup>	800 - 850	410 - 460
Bending - Modulus of rupture (MOR)	Mpa	35 - 38	64.4 - 85
Bending - Modulus of elasticity (MOR)	Gpa	5.5 - 6.4	8.1 - 10.8
Compression strength parallel to the grain	Mpa	11 - 14.6	26 - 41.7
Compression strength perpendicular to the grain	Mpa	3	6.4 - 13.2
Hardness parallel to the grain	N	1.7 - 2.3	3.7 - 4.8
Hardness perpendicular to the grain	N	1.5 - 2.3	2 - 3.6
Shear strength	Mpa	5 - 5.2	7.5 - 11.7
Wood Type	Sawn Softwood		

### CERTIFICATIONS

ISO 14001

OHSAS 18001

FSC® (FSC®-C119538)

PEFC™ (PEFC/ 24-31-200)

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