

# Eastern White Pine

*Pinus strobus*



## for millwork applications

The Eastern White Pine, a species native to Quebec, is the tallest conifer in eastern Canada. Its wood is the least resinous of all pines. It is a fast-growing tree, sometimes reaching heights of 90 metres and diameters of 250 centimetres. With its uniform texture, Eastern White Pine is used for mouldings, cabinetwork, doors, windows, siding, panelling and do-it-yourself (DIY) projects. Its wood is tender and ranges from creamy white to yellow. It is valued for its fine grain and workability.



Select	No. 1 and 2 Common	No. 3 Common	

# Eastern White Pine for millwork applications

*Pinus strobus*

<b>Colour</b>	The sapwood is white or creamy white whereas the hardwood ranges from pale yellow to pale or reddish brown.
<b>Texture</b>	The wood grain is generally regular. Its texture is medium and uniform.
<b>Common usage</b>	<p><b>Select:</b> Superior quality. Interior decorating, furniture, mouldings and cabinetry.</p> <p><b>No. 1 and 2 Common:</b> Grade that highlights sound and tight knots and wood that is naturally light in colour. Panelling, framing, edge trim, soffit, doors, windows and DIY market.</p> <p><b>No. 3 Common:</b> Useful and of good appearance despite slight defects. Shelves, panelling, exterior use and siding.</p>

		Eastern White Pine	Red Pine	Jack Pine	Scots Pine	Southern Yellow Pine	Suger maple	Yellow Birch
		<i>Pinus Strobus</i>	<i>Pinus resinosa</i>	<i>Pinus banksiana</i>	<i>Pinus sylvestris</i>	<i>Pinus palustris</i>	<i>Acer saccharum</i>	<i>Betula alleghaniensis</i>
<b>PHYSICAL PROPERTIES</b>	Density (kg/m <sup>3</sup> )	368 <sup>1</sup>	401 <sup>1</sup>	444 <sup>1</sup>	512 <sup>2</sup>	657 <sup>2</sup>	659 <sup>1</sup>	608 <sup>1</sup>
	Modulus of rupture (kiln-dried) MOR (Mpa)	65 <sup>1</sup>	70 <sup>1</sup>	78 <sup>1</sup>	84 <sup>2</sup>	97 <sup>2</sup>	115 <sup>1</sup>	106 <sup>1</sup>
	Modulus of elasticity MOE (Mpa)	9380 <sup>1</sup>	9450 <sup>1</sup>	10 200 <sup>1</sup>	10 100 <sup>2</sup>	13 500 <sup>2</sup>	14 100 <sup>1</sup>	14 100
	Hardness Jenka (N)	1650 <sup>1</sup>	2 120 <sup>1</sup>	2 560 <sup>1</sup>	N/A	N/A	7 290 <sup>1</sup>	5 930 <sup>1</sup>
	Dimensional shrinkage	8 %	11 %	10 %	7 %	12 %	14 %	17 %
<b>WORKING PROPERTIES<sup>2</sup></b>	Machinability	★★★★	★★★	★★★	★★	★★★	★★★★	★★★★
	Stability	★★			★★★	★★	★★	★★
	Gluing	★★★	★★	★★★★	★★★	★★★	★★	★★
	Nailability	★★	★★★★	★★★	★★★	★★★	★★	★★
	Mortising	★★	★★	★★	★★	★★★	★★★	★★
	Turning	★★★	★★	★★★	★★	★★★	★★	★★
	Planing	★★★	★★★	★★	★★★	★★★	★★★	★★
	Sandability	★★	★★★	★★★	★★	★★★	★★★	★★
	Paintability	★★★	★★	★★★	★★	★★	★★	★★
	Stainability	★★★	★★★	★★★	★★	★★	★★	★★★

**EXCELLENT:** ★★★★★ **VERY GOOD:** ★★★★ **GOOD:** ★★★ **FAIR:** ★ **N/A:** Not available

1. Jessome, A.P., *Strength and Related Properties of Woods Grown in Canada*, Forintek Canada Corp., 1995. 2. *The Wood Explorer*, Version 1.0, 2001-2002.

STANDARD DIMENSIONS AVAILABLE *	
Grades	Select; No. 1 and 2 Common; No. 3 Common
Nominal <sup>1</sup> thickness in inches (millimetres)	4/4", 5/4", 6/4", 7/4", 8/4" (25,4 mm; 31,8 mm; 38,1 mm; 44,5 mm; 50,8 mm)
Net <sup>2</sup> thickness in inches (millimetres)	3/4", 1 1/8", 1 3/8", 1 3/4" (19 mm; 28,6 mm; 34,9 mm; 44,4 cm)
Nominal <sup>1</sup> width in inches (millimetres)	2", 3", 4", 5", 6", 8", 10" (50,8 mm; 72,2 mm; 100 mm; 127 mm; 152,4 mm; 203 mm; 254 mm)
Net <sup>2</sup> width in inches (millimetres)	1 1/2", 2 7/4, 3 1/2", 4 1/2", 5 1/2", 7 7/4", 9 1/4" (38 mm; 64 mm; 89 mm; 114 mm; 140 mm; 184 mm; 235 mm)
Length in feet (metres)	6', 7', 8', 10', 12', 14', 16' (1,83 m; 2,13 m; 2,44 m; 3,05 m; 3,66 m; 4,27 m; 4,88 m)

\* Other dimensions and grades produced are available upon request

- Nominal: rough lumber
- Net: lumber planed on four sides

COMPARISON OF PINE GRADES	
NLGA Eastern White Pine	NeLMA Eastern White Pine
Select	D and better Select
No. 1 Common	Finish
No. 2 Common	Premium
No. 3 Common	Standard
No. 4 Common	Industrial
No. 5 Common	

NLGA: National Lumber Grades Authority  
NeLMA: North East Lumber Manufacturers Association



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