

<b>Comparison Sheet - Western Red Cedar (WRC) with Japanese Red Cedar (JRC)</b>			
	<b>WRC</b>		<b>JRC</b>
Family Name	Cupressaceae		Cupressaceae
Scientific Name	Thuja Plicata		Cryptomeria Japonica
Common Name	Cedar		Sugi
Origin	Canada, USA		Japan, Eastern Asia
Grade	#2+Btr		#2+Btr
Moisture Content	GRN & KD		ADHT & KD
Weight GRN	3.5 LBS/BFT		3.5 LBS/BFT
Color	Red – Pink – Brown – Tan		Red – Pink – Brown – Tan
Texture	Uniform Coarse		Medium Even
Grain	Straight		Straight
Scent	Aromatic		Pleasant
Naturally Oiled	Yes		Yes
Dimensional Stability	Good		Good
Decay Resistance	Yes		Yes
Insect Resistance	Yes		Yes
Volume Shrinkage	Small		Small
Size Tolerances	Standard or Full Sawn		Standard or Full Sawn
Specific Gravity > GRN	0.31		0.33
Specific Gravity > 12%	0.32		0.36
Mod of Rupture (kPa) > GRN	35,900		34,000
Mod of Rupture (kPa) > 12%	51,700		49,700
Mod of Elasticity (MPa) > GRN	6,500		6,400
Mod of Elasticity (MPa) > 12%	7,700		7,500
Work to Max Load (kJm-3) > GRN	34		33
Work to Max Load (kJm-3) > 12%	40		38
Impact Bending (mm) > GRN	430		420
Impact Bending (mm) > 12%	430		470
Comp Parallel to Grain (kPa) > GRN	19,100		19,800
Comp Parallel to Grain (kPa) > 12%	31,400		31,800
Comp Perpen to Grain (kPa) > GRN	1,700		1,600
Comp Perpen to Grain (kPa) > 12%	3,200		3,100
Shear Parallel to Grain (kPa) > GRN	5,300		5,200
Shear Parallel to Grain (kPa) > 12%	6,800		6,700
Tension Perp to Grain (kPa) > GRN	1,600		1,500
Tension Perp to Grain (kPa) > 12%	1,500		1,700
Side Hardness (N) > GRN	1,200		1,100
Side Hardness (N) > 12%	1,600		1,420
5/4" x Decking OCs @ 100 PSF	16" OC		16" OC
2" x Decking OCs @ 100 PSF	24" OC		24" OC
<b>** Unvetted Sources include USDA, NLGA, WCLIB and the Public Domain. **</b>			