Canadian Conseil Wood canadien Council du bois WWW.CWC.CA



Lumber stamped S-Grn (surfaced green) is lumber which had a moisture content exceeding 19 percent (unseasoned) at time of manufacture.

Regardless of whether S-Grn or S-Dry at the time of manufacture, careless storage can lead to absorption of water which reverses the seasoning process and therefore increases the possibility that dimensional change will take place when the lumber has been placed into service which of course is not desirable.

Shrinkage Coefficients for Canadian Softwoods					
	Direction of	Shrinkage (% of green wood) to:			
Species	shrinkage	19%	15%	12%	6%
Cedar,	Radial	0.9	1.2	1.4	1.9
Western Red	Tangential	1.8	2.5	3.0	4.0
Douglas Fir,	Radial	1.8	2.4	2.9	3.8
Coast	Tangential	2.8	3.8	4.6	6.1
Douglas Fir,	Radial	1.4	1.9	2.3	3.0
Interior	Tangential	2.5	3.4	4.1	5.5
Hemlock,	Radial	1.5	2.1	2.5	3.4
Western	Tangential	2.9	3.9	4.7	6.2
Larch, Western	Radial	1.7	2.2	2.7	3.6
	Tangential	3.3	4.6	5.5	7.3
Pine, Eastern	Radial	0.8	1.0	1.3	1.7
White	Tangential	2.2	3.0	3.7	4.9
Pine, Red	Radial	1.4	1.9	2.3	3.0
	Tangential	2.6	3.6	4.3	5.8
Pine, Western	Radial	1.5	2.0	2.5	3.3
White	Tangential	2.7	3.7	4.4	5.9
Spruce,	Radial	1.5	2.0	2.4	3.2
Eastern	Tangential	2.5	3.6	4.4	5.8
Spruce,	Radial	1.4	1.9	2.3	3.0
Engelmann	Tangential	2.6	3.6	4.3	5.7

Careful storage and handling of S-Dry lumber will ensure that it remains in seasoned condition when put into service. Careful storage of S-Grn lumber will allow further drying after service, thereby minimizing dimensional change which might occur after going into service.

S-Dry lumber is up to 15 percent more expensive than S-Grn lumber owing to packaging and drying costs.