



# BUILDING IN ALASKA

## Moisture Shrinkage of Wood

HCM-01154

by  
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	Weight/ cu. ft.		Shrinkage (percent)		
	green (12-30%)	12%	Green — kiln dry: (Green — overdry) 6%	Tangential	0% Volumetric
Cedar, western red	27	23	1.8 (2.4)	3.8 (5.0)	5.8 (7.7)
Fir, douglas, coast	38	34	3.8 (5.0)	5.8 (7.8)	8.8 (11.8)
Oak, white	63	47	4.0 (5.4)	7.0 (9.3)	12.0 (16.0)
Pine, long leaf, white	55	41	1.7 (5.1)	4.5 (7.5)	6.2 (12.2)
Spruce, Engelman	39	23	2.6 (3.4)	5.0 (6.6)	7.8 (10.4)
Spruce, Sitka	33	28	--- ----	--- ----	--- -----
			<u>96" Wall</u>	<u>12" Wall</u>	
6-7% kiln dry (¾ overdry)			4.75	.59	
Green to overdry (0%)			6.33	.79	
12 to 15% air dry (⅔ kiln dry)			3.18	.39	
Seasonal variances 5-11%			1.57"-1.97	.20-.25	

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