



ACZA Treated Wood Specification Guide for Commercial, Industrial, and Aquatic Use

	AWPA U1 Standard			Canada CSA O80			
	Use Category Designation	Commodity Specification	Preservative Retention (Lbs. per cu. ft.)	Use Category Designation	Kg/m ³		
AGRICULTURE, FARM	STRUCTURAL MEMBERS						
	Round posts (<16')	4B	B	0.60	4.2	9.6	
	Round poles	4B	D	0.60 ¹	4.2	9.6	
	Sawn poles and posts	4B	A	0.60	4.2	8.0	
	POSTS, FENCE (<16')						
	Round, half & quarter round	4A	B	0.40	4.1	6.4	
	Sawn four sides	4A	A	0.40	4.1	6.4	
CROSSTIES	Listed pines, Doug fir, hardwoods	4A	C	0.40	4.1, 4.2	6.4	
BUILDING CONSTRUCTION, MARINE AND FRESHWATER	LUMBER & TIMBERS						
	Floor plate	2	A	0.25	3.2	4.0	
	Ground contact and fresh water use	4A	A	0.40	4.1	6.4	
	Sawn timbers supporting resdtl & coml structures	4B, 4C	A (4.8)	0.80	4.2	8.0	
	Salt water splash	4B, 4C	A	0.60	4.1	6.4	
	Subject to tides, waves or in salt water — severe ²	5B, 5C	G	2.50	NA	NA	
	Subject to tides, waves or in salt water — northern ³	5A	G	1.90	5A	30.0	
	PERMANENT WOOD FOUNDATION						
	Lumber & plywood (KDAT required)	4B	A (4.2)	0.60	4.2	8.0	
	PLYWOOD						
	Sub-floor, damp above ground	2	F	0.25	2	4.0	
	Exterior, above ground	3B	F	0.25	3.2	4.0	
	Ground contact and fresh water use	4A	F	0.40	4.1	6.4	
	Salt water splash	4B	F	0.60	4.1	6.4	
	Subject to tides, waves or in salt water	5B	G	2.50	5A	30.0	
	PILING						
	Round piling, marine – severe exposure ²	5B, 5C	G	2.50	NA	NA	
	Round piling, marine – northern waters ³	5A	G	1.50	5A	30.0	
	Round piling – land & fresh water (Douglas fir)	4C	E	1.00	4.2	12.0	
	Poles, Building						
	Round – structural	4B	B (4.4.1)	0.60	4.2	9.6	
	Sawn – structural	4B	A	0.60	4.2	8.0	
	GLUE-LAMINATED MEMBERS, DOUGLAS FIR (TREATED AFTER GLUING)						
	Above ground – interior/exterior	1, 2, 3B	F	0.30	1, 2, 3.2	NA	
	Ground contact & fresh water use	4A, 4B, 4C	F	0.60	4.1, 4.2	NA	
	POLES, UTILITY		4A, 4B, 4C	D	0.60 ¹	4.1, 4.2	9.6
	HIGHWAY MATERIAL	Lumber & Timbers					
Lumber and timbers for bridges, structural members, decking, cribbing, & culverts		4C	A (4.3.1)	0.60	4.2	8.0	
STRUCTURAL POSTS & TIMBERS							
Round, half round, quarter round ⁵		4B	B	0.50	4.2	9.6	
Sawn		4C	A	0.60	4.2	8.0	
POSTS, GUARDRAIL							
Round		4B	B	0.50	4.2	9.6	
Sawn	4B	A	0.60	4.2	8.0		

¹An Inner Zone requirement (0.30 pcf) exists for Douglas fir.

²In 5B and 5C applications where *Sphaeroma terevans*, *Limnoria tripunctata*, and *Toredo* or *pholads* are present, dual treatment is recommended: for solid sawn wood — 1.50 pcf ACZA followed by 20 pcf creosote, and for round piling — 1.00 pcf ACZA followed by 20 pcf creosote.

³Northern waters defined as Long Island (NY) and northward on the East Coast and north of San Francisco on the West Coast.

⁵Doug fir and other western species not recommended for half-round and quarter-round posts.

NA = Not in Standard. Cannot use.

For sensitive environments, specify material treated in compliance with Best Management Practices.

This table is meant as a guide. See the most recent AWPA standard for details prior to specification.