

SECTION 3: GUIDE TO COMMODITY SPECIFICATIONS FOR TREATED WOOD END USES

Section 6 of the UCS-U1 Standard lists standardized preservative systems and required retentions for specific commodities and end-uses. This section is designed to help direct users and specifiers to the governing sub-section of Section 6 for the treated wood application, and to help identify the appropriate Use Category for the intended use. Some commodities may require a retention for a specific application beyond that suggested by Section 2 of this Standard due to the critical nature of their use. Note that this section is only intended to be a guide. The designer should use their best judgment to determine the appropriate specifications for a particular use.

Table 3-1 Guide to commodity specifications for treated wood end uses, arranged by use.

Commodity	Use	Exposure	Use Category	Commodity Specification	
				Section	Special Reqs.
Bender Board	General	Ground Contact or Fresh Water	4A	A	
Bulkhead Sheathing	Non-Marine	Ground Contact or Fresh Water	4A	A	
	Marine	Brackish or Salt Water	5A-5B-5C	G	6.1-6.4
Cant Strips	Building Construction	Above Ground	3B	A	4.1
Composite Lumber (PSL & LVL)	Structural	Above Ground, Exterior	3B	F	
	Highway Structural, General	Ground Contact or Fresh Water	4A	F	
	Highway Structural, Important or High Decay	Ground Contact or Fresh Water	4B	F	
	Highway Structural, Critical or Severe Decay	Ground Contact or Fresh Water	4C	F	
Cribbing	Highway	Ground Contact or Fresh Water	4C	A	
Crossarms, Sawn	General Use	Above Ground, Exterior	3B	A	4.5
	Critical or Hard to Replace	Above Ground, Exterior	4A		
Crossties, Switchties	General	Ground Contact or Fresh Water	4A	C	
	Important and/or High Decay	Ground Contact or Fresh Water	4B	C	
	Critical and/or Severe Decay	Ground Contact or Fresh Water	4C	C	
Decking	Painted/Unpainted	Above Ground, Exterior	3B	Λ	
	Building Construction, General	Ground Contact or Fresh Water	4A	A	
	Highway Bridge Structural, Critical/Severe Decay	Above Ground	4B, 4C	A	4.3
Decks, Residential	Decking (Painted/Unpainted)	Above Ground, Exterior			
	Joists		3B	A	
	Railing Components				
	Joists Support Posts (Sawn)	Ground Contact or Fresh Water	4A	A	
Expansion Boards	General	Ground Contact or Fresh Water	4A	A	
Fascia Boards	Painted/Coated	Above Ground, Exterior	3A	A	
	Unpainted	Above Ground, Exterior	3B	A	
Fence Pickets	Painted/Coated	Above Ground, Exterior	3A	A	
	Unpainted	Above Ground, Exterior	3B	A	
Fence Rail	Painted/Coated	Above Ground, Exterior	3A	A	
	Unpainted	Above Ground, Exterior	3B	A	
	Stockyard, Agricultural	Above Ground, Exterior	4A	A	
Floor Plate	Building Construction	Above Ground, Potentially Wet	3B	A	
Flooring	Above Ground, Interior	Protected, Insect Only	1	A	4.1
	Above Ground, Interior	Protected, Damp	2	A	4.1
	Residential/Commercial, Veranda	Above Ground, Exterior	3B	A	4.1
Flooring, block	Above Ground	Low Humidity	2	A	
	Above Ground	High Humidity	3A	A	
Furniture	Indoor	Protected, Insect Only	1	A	
	Outdoor	Above Ground, Exterior	3B	A	
	Outdoor	Ground Contact	4A	A	
Furring Strips	Indoor	Above Ground, Damp	2	A	
	Outdoor	Above Ground	3B	A	
Gazebo Material	Painted/Coated	Above Ground, Exterior	3A	A	
	Unpainted	Above Ground, Exterior	3B	A	

Table 3-1 Guide to commodity specifications for treated wood end uses, arranged by use. (cont.)

Commodity	Use	Exposure	Use Category	Commodity Specification	
				Section	Special Reqs.
Glue Laminated Beams	Above Ground, Interior	Protected, Insect Only	1	F	
	Above Ground, Interior	Protected, Damp	2	F	
	Above Ground Structural (Painted/Unpainted)	Exterior	3B	F	
	General Structural, Highway Structural Non-Critical	Ground Contact or Fresh Water, Low Decay	4A	F	
	Highway Important Structural or Saltwater Splash	Ground Contact or Fresh Water, High Decay	4B	F	
	Highway Critical Structural	Ground Contact or Fresh Water, Severe Decay	4C	F	
Handrails/Guardrails	Highway Construction	Above Ground, Exterior	3B	A	4.3
Joists	Above Ground, Interior	Insect Only	1	A	4.1
	Above Ground, Interior	Above Ground, Damp	2	A	4.1
	Building Construction	Above Ground, Exterior	3B	A	
	Building Construction	Ground Contact/Fresh Water	4A	A	
Laminated Veneer Lumber (LVL)	See Composite Lumber				
Landscape Ties	General	Ground Contact or Fresh Water	4A	A	
Lattice	Painted/Unpainted	Above Ground, Exterior	3B	A	
Lumber/Timbers	Above Ground, Interior	Insect Only	1	A	4.1
	Above Ground, Interior	Wood Exposed to Dampness	2	A	4.1
	Above Ground, Exterior, Coated/Painted	All Applications	3A		
	General, Including Agriculture/Farms	Above Ground, Exterior, Uncoated	3B	A	
	Food Harvest and Storage	Above Ground, Exterior		A	
	Roof Decking, Flooring/Subflooring	Above Ground, Exterior		A	4.1
	Food Contact	Above Ground, Exterior		A	
	General, Including Retaining Walls, Edging, Agri-/Mariculture, Boats, Furniture, Gazebos, Compost/ Plant/Mushroom Boxes, Flumes	Ground Contact or Fresh Water	4A	A	
	Fire Escapes, Exterior Exposed	Above Ground and Ground Contact		A	
	Wet Industrial Processing Areas	Above Ground and Ground Contact		A	
	Cooling Towers	Fresh Water Contact		A	4.4
	Brine Storage, Highway Construction Materials	Ground Contact or Fresh Water		B	4.1
	Playground Equipment	Ground Contact or Fresh Water		B	4.3
	Permanent Wood Foundation	Ground Contact and Above Ground	4B	A	4.2
	Highway Construction, Residential/Business Structural Support	Ground Contact or Fresh Water		A	4.3
	Crib Walls, Retaining Walls, Important Structural, Greenhouse	Ground Contact or Fresh Water		A	
	Marine Out of Water and Above Ground	Salt Water Splash		A	G-2.9
	Marine Out of Water and Ground Contact	Salt Water Splash	4C	A	G-2.9
	Aquaculture	Fresh Water		A	
	Residential/Business Structural Support	Ground Contact or Fresh Water			
Marine, Aqua/Mariculture, Highway, Boats	Brackish or Salt Water	5A-5B-5C	G	6.1-6.4	
Fire Retardant, Fire Protection	Interior		FA	H	
Fire Retardant, Fire Protection	Exterior		FB	H	