

**SPECIFICATION GUIDE TO  
TREATED WOOD END USES**

**AWPA STANDARDS**

**OILBORNE PRESERVATIVES**

Use Category System

CCA<sup>7</sup>

CREO<sup>2</sup>

PENTA<sup>3</sup>

**AGRICULTURE, FARM USE**

Round poles and posts as structural members	4B	0.60	7.5 – 16.0	0.38 – 0.60
Sawn poles and posts as structural members	4B	0.60	12.0	0.60
Posts, fence				
• Round, half and quarter round	4A	0.40	8.0	0.40
• Sawn four sides	4A	NP	10.0	0.50
Grape stakes, sawn	4A	NP	10.0	0.30

**BEAMS & TIMBERS, glue laminated before or after treatment**

Interior, dry	1	0.25	8.0	0.30
Interior, damp	2	0.25	8.0	0.30
Exterior, above ground	3B	0.25	8.0	0.30
Exterior, ground contact	4A	0.40	10.0	0.60
Highway construction	4B, 4C	0.40 <sup>14</sup>	9.0 – 12.0	0.45 – 0.60

**BUILDING CONSTRUCTION MATERIAL**

Decks, Residential				
• Decking	3B	NP	NR	NR
• Joists, above ground	3B	NP	NR	NR
• Joists, ground contact	4A	NP	NR	NR
• Posts	4A	NP	NR	NR
• Railing	3B	NP	NR	NR
Floor plate	2	NP	NR	NR
Flooring, above ground, interior	1, 2	NP	NR	NR
Framing, interior	1, 2	NP	NR	NR
Lumber				
• Above ground	3B	NP	8.0	0.40
• Ground contact	4A	NP	10.0	0.50
• Out of contact with ground and continuously protected from liquid water	2	NP	NL	NL
Permanent Wood Foundation				
• Lumber	4B	0.60	NL	NL
• Plywood	4B	0.60	NL	NL
Plywood				
• Sub-floor, damp, above ground	2	0.25	8.0	0.40
• Exterior, above ground	3B	0.25	8.0	0.40
• Ground contact	4A	0.40	8.0	0.40
• Out of contact with ground and continuously protected from liquid water	2	NL	NL	NL
Poles, building				
• Round	4A, 4B	0.60	7.5 – 16.0	0.38 – 0.60
• Sawn	3B	0.60	12.0	0.60
Studs	2	NP	NR	NR

**FENCING**

Pickets, slats, trim	3A, 3B	NP	8.0	0.50
Posts, sawn	4A	NP	10.0	0.50
Posts, round	4A	NP	8.0	0.40
Rail	3A, 3B	NP	8.0	0.50

**HIGHWAY MATERIAL**

Lumber and timbers for bridges, structural members, decking, cribbing, and culverts	4B	0.60	10.0	0.50
Structural lumber and timbers:				
• In saltwater use and subject to marine borer attack	5A, 5B, 5C	2.50	25.0	NL
• Piles, foundation, land and fresh water use	4C	0.80 – 1.0	12.0 – 17.0	0.60 – 0.85
• Piling in saltwater use and subject to marine borer attack	5A, 5B, 5C	1.50 – 2.50	16.0 – 20.0	NL
• Posts: Round, half-round, quarter round (General construction — fence posts, sign posts, handrails)	4A	0.40	6.0 – 8.0	0.40
• Posts: Round, half-round, quarter round (Guardrails, spacer blocks, critical structural members)	4B	0.50	10.0	0.50
• Posts: Sawn (General construction — fence posts, sign posts, handrails)	4A	0.40	10.0	0.40
• Posts: Sawn (Guardrails, spacer blocks, critical structural members)	4B	0.50	10.0	0.50

**LUMBER**

Above ground	3B	NP	8.0	0.40
Ground contact and fresh water use	4A	NP	10.0	0.50

**MARINE LUMBER & TIMBERS**

Members above ground and out of water but subject to saltwater splash	4B, 4C	0.60	10.0 – 12.0	0.50 – 0.60
In brackish or saltwater use and subject to marine borer attack	5A, 5B, 5C	2.50	25.0	NL

**PILES**

Foundation, land and freshwater use (round)	4C	0.80 – 1.0	12.0 – 17.0	0.65 – 0.85
Marine (round) in salt or brackish and subject to marine borer attack	5A, 5B, 5C	1.50 – 2.50	16.0 – 20.0	NL
Marine, dual treatment (round) for maximum protection	5B, 5C	1.0	20.0	NL
Sawn timber piles	4B, 4C	0.60 – 0.80	10.0 – 12.0	0.50

**PLYWOOD**

Sub-floor, damp, above ground	2	0.25	8.0	0.40
Exterior, above ground	3B	0.25	8.0	0.40
Ground contact	4A	0.40	10.0	0.50
Out of contact with ground and continuously protected from liquid water	2	NL	NL	NL
Marine	5A, 5B, 5C	2.50	25.0	NL

**FOOTNOTES**

NL – Not listed in the AWPA Standards.  
 NR – Not recommended. Not within the scope of permitted uses based on the AWPA Standards.  
 NP – Not permitted. Not within the scope of permitted uses based on the preservative label.

(1) Copper Naphthenate.

(2) Creosote-Coal Tar Creosote.

(3) Pentachlorophenol may be dissolved with several solvents. The solvents specified in AWPA P-9 are: Type A–Oil; Type C–Light Hydrocarbon solvent with auxilliary solvent; Use Type C where conditions require cleanliness and ability for staining.