

Parallam® Plus PSL and the International Building Code

Code Provisions

Parallam® Plus PSL, meets the provisions of the *International Building Code* (IBC) for preservative-treated wood as explained through a series of code references.

Parallam® Plus PSL is a structural composite lumber product (as defined in IBC chapter 2), which meets the requirements of IBC 2303.1.10 and is preservative-treated in accordance with *American Wood Protection Association (AWPA) Standard U1*, as required by IBC Section 2303.1.9. Third-party quality marks verify that the product was manufactured in accordance with ASTM D5456, as referenced in ICC-ES [ESR-1387](#), and treated in accordance with AWPA Standard U1 for the specified use category.

For more information on Parallam® Plus PSL uses and application, please see *Specifier’s Guide for Parallam® Plus PSL (TJ-7102)*.

References

2018 and 2015 IBC Section 2303.1.9 (2012 IBC Section 2303.1.8) Requires that preservative treated wood shall conform to AWPA Standard U1, which lists the applicable treatments, materials, and end uses for preservative-treated wood.

2018 and 2015 IBC Section 2303.1.10 (2012 IBC Section 2303.1.9) Structural capacities for structural composite lumber shall be established and monitored in accordance with ASTM D 5456.

AWPA Standard U1-21, Section F, Table 3.4B (below), provides allowable species type, chemical use, and retentions for Parallel Strand Lumber (PSL). Highlighted chemicals and retention levels are the only options for product treated by an authorized treater and warranted by Weyerhaeuser as Parallam® Plus PSL.

3.4B Preservative Retentions (pcf) — **Parallel Strand Lumber**

USE CATEGORY Species	Preservative System									
	Creosote ^(a)			PCP-A ^(a) PCP-C ^(a)	CuN ^(a)	ACZA	CCA-C	CA-B	CA-C	MCA
	CR	CR-S	CR-PS							
UC1, UC2, UC3A										
Southern Pine, Coastal Douglas-fir	8.0	8.0	8.0	0.40	0.040	0.25	0.25	0.10	0.060	0.060
Yellow poplar	8.0	8.0	8.0	#	#	#	#	#	#	#
UC3B										
Southern Pine, Coastal Douglas-fir	8.0	8.0	8.0	0.40	0.040	0.25	0.25	0.21	0.15	0.15
Yellow poplar	8.0	8.0	8.0	#	#	#	#	#	#	#
UC4A										
Southern Pine, Coastal Douglas-fir	10.0	10.0	10.0	0.50	0.060	0.40	0.40	0.21	0.15	0.15
Yellow poplar	10.0	10.0	10.0	#	#	#	#	#	#	#
UC4B, UC4C										
Southern Pine	12.0	12.0	#	0.60	0.075	0.60	0.60	0.31	0.31	0.31
Coastal Douglas-fir	12.0	12.0	12.0	0.60	0.075	0.60	0.60	0.31	0.31	0.31

= Either no proposal for standardization and/or data demonstrating efficacy of a preservative/species combination has been submitted to AWPA; or the use of the preservative/species combination has been proven ineffective.

a) Not recommended for UC1, UC2 interior residential uses.

For information about design and installation, please see *Specifier’s Guide for Parallam® Plus PSL (TJ-7102)*.

If you have any questions, please contact your Weyerhaeuser representative.