

PW LVL DIMENSION

LAMINATED VENEER LUMBER ENGINEERED FOR STRUCTURAL FRAMING

Extra-long PW LVL Dimension wall and floor framing offers a stronger, stiffer, and straighter product than dimension lumber for all your structural applications. PW LVL Dimension is competitive in materials cost and is easy to handle and install, which can result in shorter construction schedules, saving you time and money. Build with confidence.

Use beam-calculating software for better optimization of material selection and on-center spacing. PW LVL Dimension is available in virtually any length.

PW LVL DIMENSION DESIGN PROPERTY COMPARISON⁽¹⁾⁽²⁾

Product		Modulus of Elasticity E (psi)	Bending F _b (psi) ⁽³⁾	Horizontal Shear F _v (psi)	Compression Parallel to Grain F _c (psi) ⁽⁴⁾
2 x 4	1.5" x 3.5" x 2.0E PW LVL	2000000	4125	285	2750
	1.5" x 3.5" x 1.8E PW LVL	1800000	3660	285	2450
	1.5" x 3.5" x 1.5E PW LVL	1500000	2995	230	1950
	2x4 Douglas Fir-Larch No. 2	1600000	1555	180	1550
	2x4 Spruce-Pine-Fir No. 1 / No. 2	1400000	1510	135	1325
	2x4 Hem-Fir No. 2	1300000	1465	150	1495
2 x 6	2x4 Western Woods No. 2	1000000	1165	135	1035
	1.5" x 5.5" x 2.0E PW LVL	2000000	3770	285	2750
	1.5" x 5.5" x 1.8E PW LVL	1800000	3345	285	2450
	1.5" x 5.5" x 1.5E PW LVL	1500000	2735	230	1950
	2x6 Douglas Fir-Larch No. 2	1600000	1345	180	1485
	2x6 Spruce-Pine-Fir No. 1 / No. 2	1400000	1310	135	1265
2 x 8	2x6 Hem-Fir No. 2	1300000	1270	150	1430
	2x6 Western Woods No. 2	1000000	1010	135	990
	1.5" x 7.25" x 2.0E PW LVL	2000000	3565	285	2750
	1.5" x 7.25" x 1.8E PW LVL	1800000	3165	285	2450
	1.5" x 7.25" x 1.5E PW LVL	1500000	2590	230	1950
	2x8 Douglas Fir-Larch No. 2	1600000	1240	180	1420
2 x 10	2x8 Spruce-Pine-Fir No. 1 / No. 2	1400000	1205	135	1210
	2x8 Hem-Fir No. 2	1300000	1175	150	1365
	2x8 Western Woods No. 2	1000000	930	135	945
	1.5" x 9.25" x 2.0E PW LVL	2000000	3395	285	2750
	1.5" x 9.25" x 1.8E PW LVL	1800000	3015	285	2450
	1.5" x 9.25" x 1.5E PW LVL	1500000	2465	230	1950
2 x 12	2x10 Douglas Fir-Larch No. 2	1600000	1140	180	1350
	2x10 Spruce-Pine-Fir No. 1 / No. 2	1400000	1105	135	1150
	2x10 Hem-Fir No. 2	1300000	1075	150	1300
	2x10 Southern Pine No. 2	1400000	920	175	1300
	1.5" x 11.25" x 2.0E PW LVL	2000000	3265	285	2750
	1.5" x 11.25" x 1.8E PW LVL	1800000	2895	285	2450
2 x 12	1.5" x 11.25" x 1.5E PW LVL	1500000	2370	230	1950
	2x12 Douglas Fir-Larch No. 2	1600000	1035	180	1350
	2x12 Spruce-Pine-Fir No. 1 / No. 2	1400000	1005	135	1150
	2x12 Hem-Fir No. 2	1300000	975	150	1300
	2x12 Southern Pine No. 2	1400000	860	175	1250

(1) Refer to APA PR-L233 for PW LVL adjustment factors and other design properties.

(2) Refer to the 2015 NDS[®] for lumber adjustment factors and other design properties.

(3) Load applied to the narrow face of the member. Repetitive member and size factors have been applied where applicable.

(4) Size factors have been applied to lumber values where applicable.



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