

Huber Blue™ OSB Load-Span Tables

Huber Blue panels are engineered to have specific performance characteristics of strength, stiffness and durability. Huber Blue panels are manufactured in conformance with PS2, Performance Standard for Wood-Based Structural-Use Panels. The loads are provided for applications where the panel strength axis is applied perpendicular to supports and applied parallel to supports. The values in these load span tables assume dry conditions, normal duration of load, and a minimum panel width of 24”.

Uniform Load Table for Huber Blue Flooring, loads in psf															
Span Rating	Thickness (in)		Load Governed By	Strength Axis Perpendicular to Supports (Inches, Center-to-Center of Supports)									Strength Axis Parallel to Supports (Inches, Center-to-Center of Supports)		
				12	16	19.2	24	30	32	36	40	48	12	16	24
20 oc	19/32, 5/8	Deflection	L/480	685	258	141	68	33	27	24	17	11	132	50	17
			L/360	914	344	188	91	45	36	32	23	15	176	66	22
			L/240	1,370	516	282	137	67	55	48	34	22	264	99	34
			L/180	1,827	687	376	182	89	73	64	46	30	352	133	45
			Bending	479	270	187	120	77	67	43	35	24	208	117	42
			Shear	390	283	232	182	144	134	114	102	88	390	283	175
24 oc	23/32, 3/4	Deflection	L/480	979	368	201	98	48	39	34	25	16	263	99	33
			L/360	1,305	491	269	130	64	52	46	33	21	350	132	44
			L/240	1,958	736	403	195	96	78	69	49	32	525	198	67
			L/180	2,610	982	537	260	128	104	91	66	43	700	263	89
			Bending	642	361	251	160	103	90	57	46	32	321	180	64
			Shear	476	345	282	222	175	164	139	125	108	476	345	213
32 oc*	7/8, 1	Deflection	L/480	2,121	798	437	211	104	84	74	53	35	767	288	97
			L/360	2,828	1,064	582	282	138	113	99	71	46	1,022	385	130
			L/240	4,242	1,596	873	423	207	169	148	107	70	1,534	577	195
			L/180	5,656	2,128	1,164	564	276	225	198	142	93	2,045	769	260
			Bending	875	492	342	219	140	123	78	63	44	571	321	114
			Shear	571	414	339	267	211	197	167	150	129	571	414	256
48 oc*	1-1/8	Deflection	L/480	3,752	1,412	772	374	183	149	131	94	62	1,615	608	205
			L/360	5,003	1,882	1,030	499	244	199	175	126	82	2,154	810	273
			L/240	7,505	2,823	1,545	748	367	299	263	189	123	3,230	1,215	410
			L/180	10,006	3,764	2,060	998	489	399	350	252	164	4,307	1,620	547
			Bending	1,583	891	618	396	253	223	141	114	79	1,000	563	200
			Shear	733	531	435	342	270	252	214	192	166	733	531	329
Continuous Spans				3-span	3-span	3-span	3-span	3-span	3-span	2-span	2-span	2-span	3-span	3 span	2-span
Normal duration of load, dry end-use conditions, minimum panel width 24-inches, panels applied over multiple spans as indicated.															
* Note: These span ratings also apply to AdvanTech flooring															

Uniform Load Table for Huber Blue Sheathing, loads in psf

Span Rating	Thickness (in)	Load Governed By	Strength Axis Perpendicular to Supports (Inches, Center-to-Center of Supports)										Strength Axis Parallel to Supports (Inches, Center-to-Center of Supports)			
			12	16	19.2	24	30	32	36	40	48	12	16	24		
24/16	7/16	Deflection	L/480	255	96	52	25	12	10					52	20	
			L/360	339	128	70	34	17	14	12	9			70	26	
			L/240	509	191	105	51	25	20	18	13			104	39	
			L/180	679	255	140	68	33	27	24	17			139	52	
			Bending	321	180	125	80	51	45	29	23			96	54	
			Shear	286	207	169	133	105	98	83	75			286	207	
32/16	15/32, 1/2	Deflection	L/480	375	141	77	37	18	15	13				82	31	10
			L/360	500	188	103	50	24	20	18	13			109	41	14
			L/240	750	282	154	75	37	30	26	19			163	61	21
			L/180	1,001	376	206	100	49	40	35	25			218	82	28
			Bending	371	209	145	93	59	52	33	27			138	77	28
			Shear	314	228	186	147	116	108	92	82			314	228	141
40/20	19/32, 5/8	Deflection	L/480	734	276	151	73	36	29	26	14			183	69	23
			L/360	979	368	201	98	48	39	34	25	16		244	92	31
			L/240	1,468	552	302	146	72	58	51	37	24		365	137	46
			L/180	1,958	736	403	195	96	78	69	49	32		487	183	62
			Bending	625	352	244	156	100	88	56	45	31		225	127	45
			Shear	390	283	232	182	144	134	114	102	88		390	283	175
48/24	23/32, 3/4	Deflection	L/480	1,305	491	269	130	64	52	46	33	21		299	112	38
			L/360	1,740	655	358	174	85	69	61	44	29		398	150	51
			L/240	2,610	982	537	260	128	104	91	66	43		597	225	76
			L/180	3,480	1,309	716	347	170	139	122	88	57		796	300	101
			Bending	833	469	326	208	133	117	74	60	42		338	190	68
			Shear	476	345	282	222	175	164	139	125	108		476	345	213
Continuous Spans			3-span	3-span	3-span	3-span	3-span	3-span	2-span	2-span	2-span		3-span	3 span	2-span	
Normal duration of load, dry end-use conditions, minimum panel width 24-inches.																

Huber Blue is a registered trademark of Huber Engineered Woods LLC.