

# ZIP System® Sheathing

## Load Span Table

ZIP System sheathing panels are a new and innovative structural sheathing component. ZIP System roof sheathing can be used as a structural roof sheathing and roof underlayment. ZIP System wall sheathing can be used as a structural wall sheathing and water-resistant barrier. ZIP System sheathing 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 the load span table assume dry conditions, normal duration of load, and a minimum panel width of 24”.

**\*Note:** According to the ZIP System roof sheathing Installation Guide, ZIP Roof products are to be installed without h-clips to prevent interference with taping of the seams. This results in a maximum spacing of 28” oc for 1/2” and 32” oc for 5/8” ZIP System roof sheathing when the strength axis is perpendicular to supports. The areas highlighted in yellow in the load span table indicate the need for h-clips and felt in addition to ZIP System roof sheathing.

Uniform Load Table for ZIP System 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	12	16	24	
Zip Wall 24/16	7/16	Deflection	L/720	170	64	35	17	8					35	13	
			L/600	204	77	42	20	10	8				42	16	
			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	
Zip Roof 32/16	1/2	Deflection	L/720	250	94	51	25	12				54	20		
			L/600	300	113	62	30	15	12			65	25		
			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	
Zip Roof 40/20	5/8	Deflection	L/720	489	184	101	49	24	19			122	46		
			L/600	587	221	121	59	29	23	21		146	55		
			L/480	734	276	151	73	36	29	26	14	183	69	23	
			L/360	979	368	201	98	48	39	34	25	244	92	31	
			L/240	1,468	552	302	146	72	58	51	37	365	137	46	
			L/180	1,958	736	403	195	96	78	69	49	487	183	62	
			Bending	625	352	244	156	100	88	56	45	225	127	45	
			Shear	390	283	232	182	144	134	114	102	390	283	175	
Continuous Spans				3-span	3-span	3-span	3-span	3-span	3-span	2-span	2-span	3-span	3 span	2-span	
<b>Loads in highlighted areas require the use of H-clips and felt over the ZIP Roof Products.</b>															
Normal duration of load, dry end-use conditions, minimum panel width 24-inches.															

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