

Transverse Load Chart 3: Premier SIPs Type S (Spline) Transverse Load Chart (psf)

Panel Core Thickness	Deflection	Panel Span (ft.)									
		4'	8'	10'	12'	14'	16'	18'	20'	22'	24'
3 1/2"	L/360	99	38	28	21	16	10				
	L/240	151	54	43	32	24	16	NA	NA	NA	NA
	L/180	154*	61*	57	45	34	21				
5 1/2"	L/360	102	49	38	30	24	18	14	11		
	L/240	159	78	57	45	32	28	22	16	NA	NA
	L/180	166*	80*	60*	46*	40*	34*	29	21		
7 1/4"	L/360	119	59	60	41	34	26	20	15		
	L/240	160*	84	75*	60	50	39	31	23	NA	NA
	L/180	160*	85*	75*	69*	60*	50*	41	31		
9 1/4"	L/360	138	78	64	53	41	33	27	22	20	17
	L/240	160*	86*	65*	57*	51*	46*	41	34	29	25
	L/180	160*	86*	65*	57*	51*	46*	42*	39*	37*	34
11 1/4"	L/360	115	94*	75	51	49	47	38	28	24	21
	L/240	160*	94*	76*	59*	55*	51*	45*	39*	36	31
	L/180	160*	94*	76*	59*	55*	51*	45*	39*	36*	33*


 Maximum Floor Span Maximum Roof Span

* indicates ultimate load divided by 3 for the design capacity.

4' span is a minimum two span condition.

Panels require a minimum of 1-1/2" bearing.

Floor panels should have a 3/4" minimum top skin or a 7/16" top skin overlaid with 7/16" finish flooring perpendicular to the panels.


More information on this chart can be found in Technical Bulletin #18 (www.pbssips.com).

Refer to Technical Bulletin #21 for floor applications (www.pbssips.com).



Transverse Load Chart 4: Premier SIPs Type L (Lumber) Transverse Load Chart (psf)

Panel Core Thickness	Deflection	Panel Span (ft.)									
		4'	8'	10'	12'	14'	16'	18'	20'	22'	24'
3 1/2"	L/360	98	45	32	24	16	11				
	L/240	225	67	47	34	24	16	NA	NA	NA	NA
	L/180	298*	90	61	44	34	22				
5 1/2"	L/360	241	128	57	41	32	25	20	15		
	L/240	288*	182*	86	60	49	37	29	22	NA	NA
	L/180	288*	182*	112*	79	65	49	39	29		
7 1/4"	L/360	241	168	80	65	54	42	33	24		
	L/240	288*	188*	126	99	81	61	49	34	NA	NA
	L/180	288*	188*	133*	117*	105	80	62	44		
9 1/4"	L/360	274	188*	116	100	80	58	47	36	32	28
	L/240	326*	188*	147*	134*	120	90	70	52	46	41
	L/180	326*	188*	147*	134*	121*	108*	93	68	61	53
11 1/4"	L/360	327*	188*	167*	140	116	90	75	57	47	36
	L/240	327*	188*	167*	153*	132*	110*	97*	83*	69	53
	L/180	327*	188*	167*	153*	132*	110*	97*	83*	83*	70


 Maximum Floor Span Maximum Roof Span

* indicates ultimate load divided by 3 for the design capacity.

2X's are Hem-Fir #2 or equivalent.

4' span is a minimum two span condition.

Panels require a minimum of 1-1/2" bearing.

Lumber splines are spaced 4' o.c.

Floor panels should have a 3/4" minimum top skin or a 7/16" top skin overlaid with 7/16" finish flooring perpendicular to the panels.

More information on this chart can be found in Technical Bulletin #19 (www.pbssips.com).

Refer to Technical Bulletin #21 for floor applications (www.pbssips.com).

