

# Allowable Uniform Load Table (Wall)

## Engineering Technical Bulletin



### PRODUCT

- ▶ **IWP Series:** Insulated Metal Panels
- ▶ **Profiles:** Corr-Lok, Design-Lok, Mesa-Lok, Mesa-Lok HSE, Shadow-Lok
- ▶ **Width:** 42-inch or narrower
- ▶ **Thickness:** 2, 2.5, 3, 4, 5 and 6-inch
- ▶ **Gauge:** 26-gauge or heavier (facer and liner)
- ▶ **Finish:** embossed or smooth

### ALLOWABLE UNIFORM LOADS (PSF)

PANEL THICKNESS (IN)	SPAN TYPE	LOAD TYPE	SPAN (FT)												
			5	6	7	8	9	10	11	12	13	14	15	16	
2	Simple	Positive	61.87	47.15	36.71	29.04	23.29	18.9	15.49	12.82					
		Negative Fp1	40.51	33.76	28.94	25.32	22.51	20.56	18.41	16.88					
	Two	Positive	64.31	51.84	42.04	34.75	29.13	24.7	21.13	18.2					
		Negative Fp1	45.81	39.18	34.33	30.27	26.64	23.78	21.03	18.14					
	Three	Positive	66.41	52.37	42.28	34.7	28.84	24.2	20.48	17.45					
		Negative Fp1	46.92	39.77	34.51	30.47	27.27	23.97	20.29	17.3					
2.5	Simple	Positive	77.03	59.83	47.47	38.25	31.21	25.72	21.4	17.94					
		Negative Fp1	42.1	35.08	30.07	26.31	23.39	21.05	19.13	17.54					
	Two	Positive	80.04	63.79	52.21	43.57	36.89	31.59	27.29	23.53					
		Negative Fp1	46.62	39.83	34.9	30.64	26.92	24	21.65	19.71					
	Three	Positive	80.91	64.54	52.74	43.85	36.91	31.38	26.9	23.07					
		Negative Fp1	47.98	41.93	35.43	31.34	28.09	25.44	23.25	21.4					
3	Simple	Positive	98.32	77.03	61.65	50.12	41.24	34.27	28.71	24.18					
		Negative Fp1	43.32	36.1	30.94	27.08	24.07	21.66	19.69	18.05					
	Two	Positive	95.27	77.83	65.58	55.86	47.51	40.87	35.14	29.83					
		Negative Fp1	47.35	40.41	35.4	31.03	27.25	24.27	21.87	19.91					
	Three	Positive	98	81.01	67.41	56.36	47.73	40.83	34.82	29.39					
		Negative Fp1	48.83	41.5	36.12	31.99	28.7	26.02	23.74	21.7					
4	Simple	Positive	131.2	105.09	85.51	70.68	59.12	49.92	42.48	36.06	30.73	26.49	23.08	20.28	
		Negative Fp1	45.07	37.56	32.19	28.17	25.04	22.54	20.49	18.78	17.34	16.1	15.02	14.09	
	Two	Positive	122.66	100.37	84.6	72.94	64	56.43	49.41	43.58	37.51	32.62	28.64	25.34	
		Negative Fp1	48.35	41.15	35.99	31.56	27.69	24.65	22.19	20.17	18.49	17.06	15.84	14.78	
	Three	Positive	125.06	103.32	87.96	76.55	65.72	56.85	49.57	43.42	37.17	32.18	28.12	24.79	
		Negative Fp1	49.88	42.42	36.79	32.79	29.28	26.26	23.83	21.77	20.06	18.6	17.34	16.24	
5	Simple	Positive	154.36	128.63	107.54	89.91	76.08	64.98	55.92	48.43	42.17	36.9	32.44	28.62	
		Negative Fp1	46.31	38.59	32.19	28.94	25.73	23.15	21.05	19.3	17.81	16.54	15.44	14.47	
	Two	Positive	146.07	119.74	101.03	87.13	76.44	68	61.19	55.46	49.53	44.48	40.12	36.18	
		Negative Fp1	49.01	41.6	36.31	32.34	28.94	25.74	23.16	21.04	19.26	17.76	16.48	15.37	
	Three	Positive	148.09	122.35	104.12	90.56	80.12	71.75	63.05	55.78	49.62	44.35	39.8	35.7	
		Negative Fp1	50.49	42.92	37.42	33.22	29.89	27.17	24.6	22.49	20.71	19.21	17.9	16.75	
6	Simple	Positive	173.2	144.33	123.71	107.43	91.68	78.98	68.56	59.89	52.59	46.39	41.09	36.54	
		Negative Fp1	49.1	40.92	35.07	30.69	27.28	24.55	22.32	20.46	18.88	17.54	16.37	15.34	
	Two	Positive	165.4	135.82	114.74	99.02	86.89	77.29	69.53	63.13	57.79	53.26	48.7	44.3	
		Negative Fp1	51.46	43.58	37.97	33.77	29.31	26.07	23.45	21.3	19.49	17.96	16.65	15.52	
	Three	Positive	167.06	138.05	117.46	102.14	90.32	80.94	73.32	67.01	60.01	53.96	48.71	44.13	
		Negative Fp1	52.9	44.93	39.17	34.41	30.43	27.27	24.7	22.56	20.78	19.25	17.94	16.79	

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## NOTES

1. Allowable loads were derived from test conducted in accordance with ASTM E1592 and ASTM E72.
2. All loads reflect Fastener Pattern 1 (FP1) – Standard clip with (2) ¼ - 14 self-drilling fasteners.
3. The above loads reflect attachment to 14-ga. steel supports. Attachment to other substrates must be designed separately.
4. Allowable loads assume a minimum bearing surface of 1.5”.
5. Allowable loads are for uniform span lengths.
6. Allowable loads reflect a deflection limit of L/180.
7. The panel self-weight was not added or subtracted from the allowable loads.
8. Above load table does not consider thermal effects.

