

Allowable Uniform Loads for BAC-08 Wall Clip

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:** 2.5, 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
2.5	Simple	Positive	77.03	59.83	47.47	38.25	31.21	25.72	21.4	17.94				
		Negative FP-C	52.32	44.35	38.02	32.89	28.63	25.05	21.99	19.34				
	Two	Positive	80.04	63.79	52.21	43.57	36.89	31.59	27.29	23.53				
		Negative FP-C	53.69	44.45	37.97	33.2	29.56	26.69	24.39	22.4				
	Three	Positive	80.91	64.54	52.74	43.85	36.91	31.38	26.9	23.07				
		Negative FP-C	54.73	46.52	40.19	35.49	31.86	28.52	25.27	22.5				
3	Simple	Positive	98.32	77.03	61.65	50.12	41.24	34.27	28.71	24.18				
		Negative FP-C	52.34	44.61	38.49	33.51	29.39	25.92	22.96	20.4				
	Two	Positive	95.27	77.83	65.58	55.86	47.51	40.87	35.14	29.83				
		Negative FP-C	53.51	44.86	38.59	33.96	30.42	27.63	25.39	23.54				
	Three	Positive	98	81.01	67.41	56.36	47.73	40.83	34.82	29.39				
		Negative FP-C	54.52	46.68	40.59	36.07	32.58	29.4	26.29	23.55				
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 FP-C	52.36	45.14	39.42	34.77	30.92	27.68	24.91	22.52	20.44	18.6	16.98	15.52
	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 FP-C	53.01	45.67	39.83	35.49	32.15	29.51	27.38	25.62	23.62	21.63	19.85	18.24
	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 FP-C	54.11	47	41.4	37.23	34.02	31.17	28.33	25.84	23.78	21.87	20.14	18.57
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 FP-C	50.21	43.29	37.81	33.36	29.67	26.56	23.91	21.62	19.62	17.86	16.3	14.91
	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 FP-C	50.56	43.61	38.02	33.85	30.63	28.07	26	24.3	22.54	20.66	18.97	17.44
	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 FP-C	51.59	44.61	39.23	35.22	32.13	29.61	27	24.64	22.55	20.75	19.12	17.64
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 FP-C	48.06	41.45	36.2	31.94	28.42	25.44	22.91	20.72	18.81	17.12	15.63	14.3
	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 FP-C	48.1	41.54	36.2	32.2	29.1	26.63	24.62	22.97	21.32	19.63	18.08	16.64
	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 FP-C	49.06	42.21	37.05	33.2	30.23	27.87	25.67	23.44	21.46	19.68	18.1	16.71

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ETB-0018

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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 C (FP-C) – BAC-08 clip with (3) 5/16 - 12 self-drilling fasteners.
3. The above loads reflect attachment to 12-ga. steel supports. Attachment to other substrates must be designed separately.
4. Allowable loads assume a minimum bearing surface of 2.0”.
5. Allowable loads are for uniform span lengths.
6. The BAC-08 is an 8-inch long clip and must have 4-inch space from center of support to end of panel.
7. Allowable loads reflect a deflection limit of L/180.
8. The panel self-weight was not added or subtracted from the allowable loads.
9. Above load table does not consider thermal effects.

