



6612 Snowdrift Road | Allentown, PA 18106 | 610.395.8445

## ISOLEREN TECHNICAL BULLETIN: CEILING CLIP ALLOWABLE LOADS

### PRODUCT:

Isoleren Insulated Metal Wall Panels  
 Isoleren Profiles: ML, SL, WL, IM, TE  
 Width: 42-inch or narrower  
 Thickness: 3, 4, 5, 6-inch  
 Gauge: 26-gauge or heavier (facer and liner)  
 Finish: Embossed or Smooth

### ALLOWABLE LOADS (PSF):

Panel Thickness (in)	Span Type	Load Type	Span (ft)				
			5	6	7	8	9
3	Simple	Negative, FPC	43.32	36.10	30.94	27.08	24.07
	Two	Negative, FPC	47.35	40.41	35.40	31.03	27.25
	Three	Negative, FPC	48.83	41.50	36.12	31.99	28.70
4	Simple	Negative, FPC	45.07	37.56	32.19	28.17	25.04
	Two	Negative, FPC	48.35	41.15	35.99	31.56	27.69
	Three	Negative, FPC	49.88	42.42	36.79	32.79	29.28
5	Simple	Negative, FPC	46.31	38.59	32.19	28.94	25.73
	Two	Negative, FPC	49.01	41.60	36.31	32.34	28.94
	Three	Negative, FPC	50.49	42.92	37.42	33.22	29.89
6	Simple	Negative, FPC	49.10	40.92	35.07	30.69	27.28
	Two	Negative, FPC	51.46	43.58	37.97	33.77	29.31
	Three	Negative, FPC	52.90	44.93	39.17	34.41	30.43

### NOTES:

1. Allowable loads were derived from test conducted in accordance with ASTM E1592 and ASTM E72.
2. Allowable loads are for uniform span lengths.
3. The above loads DO NOT consider panel self-weight.
4. Above load table does not consider thermal effects.
5. Allowable loads reflect a deflection limit of L/180.
6. All loads reflect *Fastener Pattern Ceiling* (FPC) – Ceiling Hanger Clip (AC-02 or AC-02-R) with (1) - 3/8" d (min.) carriage-bolt fastener.
7. This table is null in void if the ceiling is not installed per ATAS International, Inc. details LT-CS-001 and LT-CS-002.
8. **The ceiling support structure must be analyzed by a registered professional engineer to resist the imposed ceiling loads.**
9. Ceiling live loads should be kept at or below 20-psf with point loads <= 300-lbs.
10. WARNING - Avoid excessive foot traffic. Excessive foot traffic will, at a minimum, cause delamination and degrade panel performance.

ITB-0030