

DM40-F+ Partition Wall

AWIP ALLOWABLE LOAD TABLE

DM40-F+ Interior Partition Allowable Load Table (PSF) for Single Span Conditions

Panel Strength, Deflection Limit, and Temperature Difference Criteria

Design Criteria	Panel Thickness	Panel Span			
		$\Delta T = 0^{\circ}$	$\Delta T = 35^{\circ}$	$\Delta T = 70^{\circ}$	$\Delta T = 105^{\circ}$
5 PSF Load L/120 Deflection	8"	55'-0"	55'-0"	47'-9"	41'-4"
10 PSF Load L/180 Deflection		47'-9"	43'-0"	38'-6"	34'-4"

Notes:

1. Load span table is based on Allowable Stress Design (ASD).
2. Table is based on values derived from transverse load testing per ASTM E72.
3. Panel properties are based on **22 gauge** exterior and **22 gauge** interior facings.
4. The Deflection Limit is L/120 or L/180.
5. Allowable spans are calculated based on a minimum 5 PSF and 10 PSF Interior Horizontal Load.
6. Safety Factor = 2.5 for buckling, 3.0 for core shear.
7. Panels must be supported at the base and top of panel.
8. Connections must be designed separately depending on type of support at panel ends.
9. Panel weights can be found on a separate Panel Weights Table.
10. Structural design of wall supports has not been considered and must be designed the support professional.
11. Thermal effects at specified Delta T have been applied to allowable single spans.
12. Consult your AWIP representative for project specific calculations.
13. Load tables are subject to change without notice – visit www.awipanel.com for the latest information.



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