

DM40-F+ Wall

AWIP ALLOWABLE LOAD TABLE

DM40-F+ Allowable Load Table (PSF) for Three or More Spans

Panel Strength and Deflection Limit Criteria

Panel Thickness	Panel Span (ft)							
	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
8"	167	137	116	100	88	79	71	64

Connection Strength Criteria - Fasteners with WC-01 Clip at Side Joint

Fasteners / Support Thickness	Panel Span (ft)							
	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
FS-A / Minimum 16 gauge	46	38	32	28	25	22	20	18
FS-F / Minimum 16 gauge	30	25	21	18	16	14	13	12
FS-A / Minimum 12 gauge	48	40	34	30	26	23	21	19
FS-F / Minimum 12 gauge	48	40	34	30	26	23	21	19

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, ASTM E1592, and strength of fasteners.
3. Panel properties are based on **26 gauge exterior** and **24 gauge** facings. Inquire about other gauges.
4. The lowest load between Panel Strength, Deflection Limit and Connection Strength shall be used to determine spans.
5. The Deflection Limit is $L/180$.
6. Connection based on ¼-14 or ¼-20 DP3 or DP5 self drilling fasteners with WC-01 clip installed into min. 16 ga or 12 ga steel.
7. FS-A utilizes three fasteners per WC-01 clip. FS-F utilizes two fasteners per WC-01 clip.
8. Safety Factor = 2.5 for buckling, 3.0 for core shear, 2.0 for wall clip, 3.0 for fastening pullover/pullout.
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 from controlled environment and cold storage applications have not been considered.
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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