

# FL40/HE40/HE40A/MV40

AWIP ALLOWABLE LOAD TABLE

## FL40 HE40 HE40A MV40 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"
2"	41	34	29	25	22	20	18	16
2.5"	51	42	35	31	27	24	22	20
3"	61	50	42	36	32	29	26	23
4"	78	64	54	47	41	37	33	30
5"	94	77	65	56	49	44	39	36
6"	107	87	74	64	56	50	45	41

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

Fasteners/ Support Thickness	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	2"	41	34	29	25	22	20	18	16
	2.5"	41	34	29	25	22	20	18	16
	3"	41	34	29	25	22	20	18	16
	4"	44	37	31	27	24	21	19	18
	5"	45	37	31	27	24	21	19	18
	6"	45	37	31	27	24	21	19	18
FS-A / Minimum 12 gauge	2"	41	34	29	25	22	20	18	16
	2.5"	41	34	29	25	22	20	18	16
	3"	41	34	29	25	22	20	18	16
	4"	47	39	33	29	25	23	20	19
	5"	47	39	33	29	25	23	21	19
	6"	48	39	33	29	26	23	21	19
FS-F / Minimum 16 gauge	2"	29	24	20	18	16	14	13	11
	2.5"	29	24	20	18	16	14	13	12
	3"	29	24	20	18	16	14	13	12
	4"	29	24	21	18	16	14	13	12
	5"	30	24	21	18	16	14	13	12
	6"	30	24	21	18	16	14	13	12
FS-F / Minimum 12 gauge	2"	41	34	29	25	22	20	18	16
	2.5"	41	34	29	25	22	20	18	16
	3"	41	34	29	25	22	20	18	16
	4"	47	39	33	29	25	23	20	19
	5"	47	39	33	29	25	23	21	19
	6"	48	39	33	29	26	23	21	19

See notes on page 2.

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## 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 **24 gauge exterior** and **26 gauge interior** facings. Inquire about other gauges. All FL40 thicknesses and 5" and 6" thickness for MV40 require 22 gauge exterior facings.
4. 5" and 6" only available for MV40 in 22 gauge, HE40 and HE40A in 24 gauge. Not available for FL40.
5. The lowest load between Panel Strength, Deflection Limit and Connection Strength shall be used to determine spans.
6. The Deflection Limit is  $L/180$ .
7. Connection based on  $\frac{1}{4}$ -14 or  $\frac{1}{4}$ -20 DP3 or DP5 self-drilling fasteners with WC-01 clip installed into min. 16 ga or 12 ga steel.
8. FS-A utilizes **three** fasteners per WC-01 clip. FS-F utilizes **two** fasteners per WC-01 clip.
9. Safety Factor = 2.5 for buckling, 3.0 for core shear, 2.0 for wall clip, 3.0 for fastening pullover/pullout.
10. Allowable loads are applicable to vertical or horizontal panel installation.
11. Panel weights can be found on a separate Panel Weights Table.
12. Structural design of wall supports has not been considered and must be designed the support professional.



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