

# PL42-MW Fire Rated Panel

AWIP ALLOWABLE LOAD TABLE

## PL42-MW Allowable Load Table for Three or More Spans With Through Fastening at Intermediate Supports

Support Thickness	Panel Thickness	Panel Weight (PSF)	Negative Wall Pressure (PSF)					
			20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
16 gauge	4"	4.65	14'-9"	11'-10"	9'-11"	8'-7"	7'-6"	6'-9"
	6"	6.07	16'-5"	13'-0"	10'-8"	9'-0"	7'-10"	6'-10"
	8"	7.49	16'-3"	12'-10"	10'-6"	8'-10"	7'-7"	6'-8"
12 gauge	4"	4.65	14'-9"	11'-10"	9'-11"	8'-7"	7'-6"	6'-9"
	6"	6.07	16'-5"	13'-0"	10'-8"	9'-0"	7'-10"	6'-10"
	8"	7.49	16'-3"	12'-10"	10'-6"	8'-10"	7'-7"	6'-8"
1/4 gauge	4"	4.65	14'-9"	11'-10"	9'-11"	8'-7"	7'-6"	6'-9"
	6"	6.07	16'-5"	13'-0"	10'-8"	9'-0"	7'-10"	6'-10"
	8"	7.49	16'-3"	12'-10"	10'-6"	8'-10"	7'-7"	6'-8"

## PL42-MW Allowable Load Table for Three or More Spans With Through Fastening at Ends Supports

Support Thickness	Panel Thickness	Panel Weight (PSF)	Negative Wall Pressure (PSF)					
			20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
16 gauge	4"	4.65	6'-7"	5'-4"	4'-6"	3'-10"	3'-5"	3'-0"
	6"	6.07	6'-8"	5'-5"	4'-6"	3'-11"	3'-5"	3'-1"
	8"	7.49	6'-9"	5'-5"	4'-7"	3'-11"	3'-5"	3'-1"
12 gauge	4"	4.65	6'-7"	5'-4"	4'-6"	3'-10"	3'-5"	3'-0"
	6"	6.07	6'-8"	5'-5"	4'-6"	3'-11"	3'-5"	3'-1"
	8"	7.49	6'-9"	5'-5"	4'-7"	3'-11"	3'-5"	3'-1"
1/4 gauge	4"	4.65	6'-7"	5'-4"	4'-6"	3'-10"	3'-5"	3'-0"
	6"	6.07	6'-8"	5'-5"	4'-6"	3'-11"	3'-5"	3'-1"
	8"	7.49	6'-9"	5'-5"	4'-7"	3'-11"	3'-5"	3'-1"

### 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 and pullout of fasteners.
3. Panel properties are based on **26 gauge exterior** and **26 gauge interior** facings. Inquire about availability of other gauges.
4. The Deflection Limit is L/180.
5. Connection is based on (2) fasteners per WC-06 clip + (3) ¼-14 or ¼-20 DP3 or DP5 self-drilling fasteners at each end and intermediate support.
6. 2.5 for buckling, 3.0 for core shear, 2.0 for wall clip, and 3.0 for fastening pullover/pullout..
7. Allowable loads are applicable to vertical or horizontal panel installation.
8. Panel width is 42".
9. Structural capacity of girts have not been considered.
10. Thermal differential has not been taken into account.
11. Consult your AWIP representative for project specific calculations.
12. Load tables are subject to change without notice - visit [www.awipanel.com](http://www.awipanel.com) for the latest information.



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