

IP44 Partition Wall

AWIP ALLOWABLE LOAD TABLE

IP44 Interior Partition Allowable Load Table (psf) for Single Span at 5 psf and L/120

Panel Strength, Deflection Limit, and Temperature Difference Criteria

Exterior/Interior Profile	Panel Thickness	Panel Span			
		$\Delta T = 0^\circ$	$\Delta T = 35^\circ$	$\Delta T = 70^\circ$	$\Delta T = 105^\circ$
Mesa/Mesa Or Mesa/Flat	2	20'-10"	Minimum 4" thick panels recommended for temperature-controlled conditions. Consult your technical services representative for more information.		
	2.5	24'-4"			
	3	27'-7"			
	4	33'-7"	29'-4"	25'-3"	21'-8"
	5	39'-2"	34'-6"	30'-1"	26'-1"
	6	44'-4"	39'-5"	34'-8"	30'-4"
	8	53'-10"	48'-5"	43'-2"	38'-3"
Flat/Flat Or Flat/Mesa	2	20'-6"	Minimum 4" thick panels recommended for temperature-controlled conditions. Consult your technical services representative for more information.		
	2.5	23'-11"			
	3	27'-2"			
	4	33'-3"	29'-0"	24'-11"	21'-4"
	5	38'-9"	34'-2"	29'-9"	25'-10"
	6	44'-0"	39'-1"	34'-4"	30'-1"
	8	53'-7"	48'-2"	42'-11"	38'-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.
3. Panel properties are based on **26 gauge exterior** and **26 gauge interior** facings. Inquire about other gauges.
4. The Deflection Limit is L/120.
5. Allowable spans are calculated based on a minimum 5 PSF Interior Horizontal Load per the International Building Code.
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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IP44 Partition Wall

AWIP ALLOWABLE LOAD TABLE

IP44 Interior Partition Allowable Load Table (psf) for Single Span at 10 psf and L/180

Panel Strength, Deflection Limit, and Temperature Difference Criteria

Exterior/Interior Profile	Panel Thickness	Panel Span			
		$\Delta T = 0^\circ$	$\Delta T = 35^\circ$	$\Delta T = 70^\circ$	$\Delta T = 105^\circ$
Mesa/Mesa Or Mesa/Flat	2	13'-6"	Minimum 4" thick panels recommended for temperature-controlled conditions. Consult your technical services representative for more information.		
	2.5	15'-10"			
	3	18'-0"			
	4	22'-0"	19'-0"	16'-2"	13'-9"
	5	25'-9"	22'-6"	19'-5"	16'-9"
	6	29'-2"	25'-9"	22'-5"	19'-6"
	8	35'-7"	31'-9"	28'-1"	24'-9"
Flat/Flat Or Flat/Mesa	2	13'-0"	Minimum 4" thick panels recommended for temperature-controlled conditions. Consult your technical services representative for more information.		
	2.5	15'-3"			
	3	17'-5"			
	4	21'-6"	18'-6"	15'-9"	13'-5"
	5	25'-3"	22'-0"	19'-0"	16'-4"
	6	28'-9"	25'-3"	22'-0"	19'-2"
	8	35'-3"	31'-5"	27'-9"	24'-5"

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 **26 gauge exterior** and **26 gauge interior** facings. Inquire about other gauges.
4. The Deflection Limit is L/180.
5. Allowable spans are calculated based on a minimum 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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