

DM40/DM44

AWIP ALLOWABLE LOAD TABLE

DM40 Non-Suspended Ceiling Allowable Load Table (PSF)

Panel Strength, Deflection Limit, and Cold Storage Consideration¹¹

Panel Thickness	Single Span Condition	
	10 PSF	20 PSF
2"	12'-4"	9'-4"
2.5"	14'-5"	11'-0"
3"	16'-5"	12'-7"
4"	20'-0"	15'-5"
5"	23'-3"	18'-1"
6"	26'-3"	20'-6"
8"	31'-11"	25'-1"

DM44 Non-Suspended Ceiling Allowable Load Table (PSF)

Panel Strength, Deflection Limit, and Cold Storage Consideration¹¹

Panel Thickness	Single Span Condition	
	10PSF	20 PSF
2"	13'-6"	9'-10"
2.5"	15'-10"	11'-7"
3"	18'-0"	13'-3"
4"	22'-0"	16'-4"
5"	25'-9"	19'-2"
6"	29'-2"	21'-10"
8"	35'-7"	26'-9"

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 or 20 PSF.
6. 20 PSF Live Load design on ceiling is required for any periodic maintenance access.
7. Safety Factor = 2.5 for buckling, 3.0 for core shear.
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 ceiling supports has not been considered and must be designed the support professional.
11. Thermal effects for cold storage applications have been considered. Inquire about temperature-controlled storage above ambient temperatures.
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.



Scan For
More Information

1 (888) 970-AWIP (2947)
awipanel.com
sales@awipanel.com



All Weather
Insulated Panels