DM40/DM44

DM40 Non-Suspended Ceiling Allowable Load Table (PSF)

Panel Strength, Deflection Limit, and Cold Storage Consideration $^{\mbox{\tiny 1}}$

Panel Thickness	Single Span Condition	
	10 PSF	20 PSF
2"	12'-4"	9'-4"
2.5"	14'-5"	11'-O"
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 Consideration $^{\mbox{\tiny 1}}$

Panel Thickness	Single Span Condition	
	10PSF	20 PSF
2"	13'-6"	9'-10"
2.5"	15'-10″	11'-7"
3"	18'-O''	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.awipanels.com for the latest information.



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