



Maximum Allowable Span Table:

Panel Thickness	Specified Design Load (psf)							
	10	15	20	25	30	35	40	45
1 1/2"	11'-2"	9'-6"	8'-4"	7'-8"	7'-1"	6'-7"	6'-3"	5'-11"
2"	14'-0"	11'-10"	10'-3"	9'-2"	8'-4"	7'-9"	7'-3"	6'-10"
3"	17'-10"	14'-7"	12'-7"	11'-3"	10'-4"	9'-6"	8'-11"	8'-5"
4"	20'-6"	17'-0"	14'-6"	13'-0"	11'-10"	10'-10"	10'-0"	9'-6"
6"	25'-0"	20'-7"	17'-10"	15'-11"	14'-6"	13'-5"	12'-7"	11'-10"

Note: 4" calculations are to be used ONLY as a guideline as they are only preliminary

Design Parameters:

- Maximum simply supported spans based on the lesser of bending capacity, shear capacity, or deflection of span/180, whichever governs, under uniformly distributed load.
- Spans are centre-line of bearing to centre-line of bearing.
- 26 Ga. Steel Skins (minimum 0.019" thick) each face. Minimum yield strength 33ksi.
- Polyurethane Foam Core, minimum density = 2.5 lbs/cu.ft.
- Factor of Safety of 2.5 used on strength controlled values.
- Panel self weight must be deducted from specified values for horizontal applications.
- Thermal effects (thermal bowing) and the possible limiting capacity of connections to, or bearing on, the primary structural system have not been considered in above values.

Fire testing in accordance with CAN/ULC S102-M88 (panel with joint):

Flame Spread: 65
 Smoke Developed: 210

Canadian Food Inspection Agency (CFIA) approval on selected panels. (A399)