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Insulated Panel Load Span Table

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Panel Thickness	Specified Design Load (psf)													
	10	15	20	25	30	35	40	45	50	60	70	80	90	100
1 1/2"	11'-2"	9'-6"	8'-4"	7'-8"	7'-1"	6'-7"	6'-3"	5'-11"	5'-6"	5'-0"	4'-8"	4'-4"	4'-1"	3'-11"
2"	14'-0"	11'-10"	10'-3"	9'-2"	8'-4"	7'-9"	7'-3"	6'-10"	6'-5"	5'-11"	5'-5"	5'-1"	4'-10"	4'-7"
2 1/2"	15'-8"	13'-2"	11'-4"	10'-2"	9'-4"	8'-7"	8'-1"	7'-7"	7'-2"	6'-6"	6'-1"	5'-8"	5'-4"	5'-1"
3"	17'-10"	14'-7"	12'-7"	11'-3"	10'-4"	9'-6"	8'-11"	8'-5"	8'-0"	7'-3"	6'-9"	6'-4"	5'-11"	5'-8"
4"	20'-6"	17'-0"	14'-6"	13'-0"	11'-10"	10'-10"	10'-0"	9'-6"	8'-11"	8'-2"	7'-7"	7'-1"	6'-8"	6'-4"
6"	25'-0"	20'-7"	17'-10"	15'-11"	14'-6"	13'-5"	12'-7"	11'-10"	11'-2"	10'-3"	9'-6"	8'-10"	8'-4"	7'-11"

Design Parameters:

- Maximum simply supported based on the lesser of bending capacity, shear capacity, or deflection of span/180, whichever governs, under uniformly distributed load.
- Spans are center line of bearing to center line of bearing
- Span lengths for design loads 50 psf and greater were determined empirically, (ie. No load testing was conducted)
- 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.
- Factor of Safety of 2.5 used on strength controlled values
- 26 ga. Steel skins (minimum 0.019" thick) each face. Minimum yield strength 33ksi
- Polyurethane Foam Core minimum density = 2.5 lbs/cu.ft.

Fire Tested 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)