

KOROLITE ENGINEERED PANEL STRUCTURES LTD

19402 - 56 Ave., Surrey, B.c. Canada V3S 6K4



TECHNICAL INFORMATION WALL PANEL

Table 3

MAXIMUM ALLOWABLE TRANSVERSE LOAD

**Tests were based on ICC-ES AC04 Acceptance Criteria for Sandwich Panels and
ASTM E72 Standard Test Methods for Testing Strength of Panels for Building Construction
Safe Uniform Loads kN/m2 (lb/ft2)**

IMPERIAL MEASURE

Thickness inches	Deflection	Panel Span (ft)			
		3.67	7.50	11.50	19.50
		psf			
4	L/360	92.00	54.00	20.00	7.00
	L/240	138.00	54.00	26.00	7.00
	L/180	149.00	54.00	26.00	7.00
6	L/360	150.00	68.00	34.00	8.00
	L/240	172.00	68.00	37.00	8.00
	L/180	171.00	68.00	37.00	8.00
8	L/360	333.00	81.00	50.00	14.00
	L/240	335.00	85.00	50.00	14.00
	L/180	333.00	81.00	50.00	14.00
10	L/360	311.00	45.00	53.00	20.00
	L/240	311.00	45.00	53.00	20.00
	L/180	311.00	45.00	53.00	20.00
12	L/360	358.00	79.00	54.00	n/a
	L/240	358.00	79.00	54.00	n/a
	L/180	358.00	79.00	54.00	n/a

METRIC MEASURE

Thickness mm	Deflection	Panel Span (m)			
		1.1	2.3	3.5	5.9
		Pa			
101.6	L/360	4405.00	2586.00	958.00	335.00
	L/240	6607.00	2586.00	1245.00	335.00
	L/180	7134.00	2586.00	1245.00	335.00
152.4	L/360	7182.00	3256.00	1628.00	383.00
	L/240	8235.00	3256.00	1772.00	383.00
	L/180	8187.00	3256.00	1772.00	383.00
203.2	L/360	15944.00	3878.00	2394.00	670.00
	L/240	16040.00	4070.00	2394.00	670.00
	L/180	15944.00	3878.00	2394.00	670.00
254	L/360	14891.00	2155.00	2538.00	1436.00
	L/240	14891.00	2155.00	2538.00	958.00
	L/180	14891.00	2155.00	2538.00	958.00
304.8	L/360	17141.00	3783.00	2586.00	n/a
	L/240	17141.00	3783.00	2586.00	n/a
	L/180	17141.00	3783.00	2586.00	n/a

NOTE: Allowable ultimate load was compared to the allowable loads at L/360, L240 and L180 deflections. The lowest value was taken as the allowable load.

***The above data is for general information only. Korolite Engineered Panel Structures is not responsible for determining the implications of loads applied to a structure for wind factors on wall panels or live or dead loads on ceiling and roof systems. Engineering approved specifications should be applied. Printed in Canada 2007

If you require the full testing data, please contact our office at (604) 534-8626 or toll free at 1-800-663-8162
or go online to our website to obtain a full pdf technical report
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