



Product	Core Thickness (mm)	R Value (m <sup>2</sup> K/W)	0.5/0.5 Steel Weight (Kg/m <sup>2</sup> )	Wall Max. Height* (m)	Ceiling Span** (m)
KS1200 CS	50	2.65	10.00	5.2	3.7
KS1200 CS	75	3.90	11.00	7.0	4.6
KS1200 CS	100	5.15	12.10	9.1	6.0
KS1200 CS	125	6.40	13.01	10.5	7.5
KS1200 CS	150	7.65	14.2	12.2	9.1
KS1200 CS	200	10.15	16.3	14.1	11.0

\* Walls – Load of 0.3kPa applied and a maximum deflection of L/150.

\*\* Ceiling – Dead Load applies plus a UDL of 0.25kN/m<sup>2</sup> and a point load of 0.9kN. Maximum deflection L/200.

## Deflection Ratio

Pressure = Span/150      Suction = Span/150

Unfactored Load/Span Table (Use calculated design windload values unfactored)

KS1200 CS Single Span Condition / Ultimate Limit State																
Panel Size (mm)	Load Type	Uniformly Distributed Load (kPa)														
		Span in Metres														
		3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
50	Pressure	1.16	0.83	0.60	0.45	-	-	-	-	-	-	-	-	-	-	-
	Suction	1.17	0.83	0.61	0.45	-	-	-	-	-	-	-	-	-	-	-
75	Pressure	2.17	1.59	1.19	0.91	0.71	0.56	0.45	-	-	-	-	-	-	-	-
	Suction	2.17	1.59	1.19	0.91	0.71	0.56	0.45	-	-	-	-	-	-	-	-
100	Pressure	3.29	2.46	1.88	1.46	1.15	0.92	0.75	0.61	0.51	0.42	-	-	-	-	-
	Suction	3.29	2.46	1.88	1.46	1.15	0.92	0.75	0.61	0.51	0.43	-	-	-	-	-
125	Pressure	4.47	3.41	2.64	2.08	1.66	1.34	1.09	0.90	0.75	0.63	0.54	0.46	-	-	-
	Suction	4.47	3.41	2.64	2.08	1.66	1.34	1.09	0.90	0.75	0.63	0.54	0.46	-	-	-
150	Pressure	5.70	4.40	3.45	2.75	2.21	1.80	1.48	1.23	1.03	0.87	0.74	0.64	0.55	0.48	0.42
	Suction	5.71	4.40	3.45	2.75	2.21	1.80	1.48	1.23	1.03	0.87	0.74	0.64	0.55	0.48	0.42
200	Pressure	8.25	6.48	5.18	4.19	3.43	2.83	2.36	1.98	1.67	1.43	1.22	1.06	0.92	0.80	0.70
	Suction	8.25	6.49	5.18	4.19	3.43	2.83	2.36	1.98	1.68	1.43	1.23	1.06	0.92	0.80	0.70

For further technical information, please contact Kingspan Technical Services on 1300 799 594.