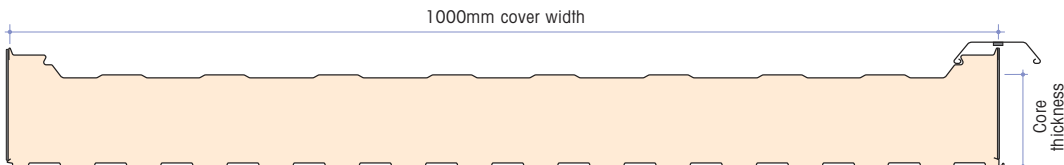
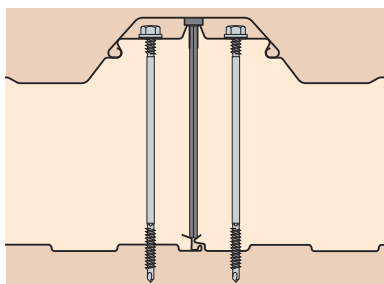


Insulated lo-pitch roof panel system - KS1000 LP

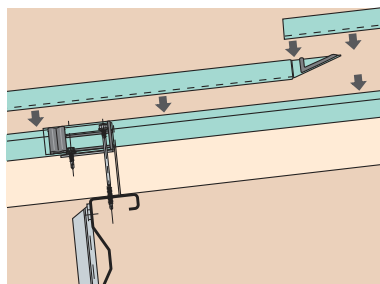


Core thickness (mm)	45	60	80	100
R-Value (m ² K/W)	2.49	3.25	4.25	5.25
Weight kg/m ² 0.5/0.4 steel	9.5	10.1	10.9	11.4

KS1000 LP Side Joint



KS1000 LP End Lap - Steel



Deflection Ratio

Downwards = Span/200 Suction = Span/150

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

SPAN CONDITION	Core Thickness (mm)	Load Type	Uniformly Distributed Loads (kN/m ²) Span L in Metres							
			1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
SINGLE SPAN Outer Sheet 0.5mm steel Inner Sheet 0.4mm steel L	45	Downwards	2.45	2.10	1.82	1.59	1.40	1.20	0.94	0.74
		Suction	3.09	2.73	2.41	2.16	1.94	1.74	1.57	1.41
	60	Downwards	3.07	2.70	2.38	2.11	1.87	1.67	1.49	1.23
		Suction	4.17	3.73	3.35	3.02	2.59	2.20	1.90	1.65
	80	Downwards	3.86	3.45	3.06	2.76	2.48	2.23	2.01	1.82
		Suction	5.65	5.13	4.39	3.60	3.01	2.56	2.21	1.93
	100	Downwards	4.51	4.06	3.66	3.30	2.99	2.70	2.45	2.23
		Suction	7.18	5.97	4.80	3.95	3.31	2.82	2.43	2.12
DOUBLE SPAN Outer Sheet 0.5mm steel Inner Sheet 0.4mm steel L L	45	Downwards	2.43	2.10	1.80	1.53	1.32	1.15	1.01	0.89
		Suction	1.82	1.57	1.37	1.22	1.10	1.00	0.92	0.85
	60	Downwards	2.93	2.43	2.06	1.76	1.53	1.34	1.18	1.05
		Suction	1.94	1.68	1.48	1.33	1.20	1.10	1.01	0.94
	80	Downwards	3.32	2.78	2.37	2.04	1.78	1.56	1.39	1.24
		Suction	2.08	1.81	1.61	1.44	1.31	1.20	1.11	1.03
	100	Downwards	3.70	3.10	2.65	2.29	2.00	1.76	1.57	1.40
		Suction	2.16	1.89	1.69	1.52	1.39	1.28	1.18	1.10

For further technical information, please contact Kingspan Technical Services on (03) 358 7536