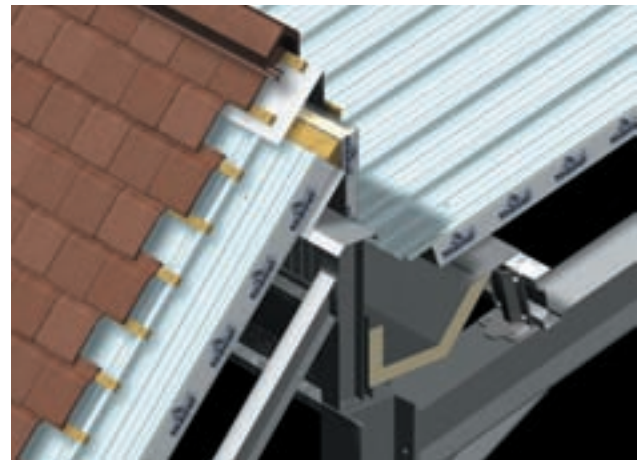


Insulated tile support roof panel system - KS1000 TS



A - Core thickness (mm)	30	40	60*	100
B - Overall dimensions (mm)	65	75	95	135
R-Value (m ² K/W)	1.82	2.34	3.36	5.35
Weight kg/m ² 0.5/0.4 steel	9.5	9.9	10.7	12.3

*60mm thickness can be used on the roof to comply with Section J thermal regulations climate zones 1-7



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						
			1.0	1.5	2.0	2.5	3.0	3.5	4.0
SINGLE SPAN Outer Sheet 0.5mm steel Inner Sheet 0.4mm steel 	30	Downwards	4.61	2.48	1.47	0.92	0.61	0.42	-
		Suction	6.15	3.31	1.96	1.23	0.81	0.56	-
	40	Downwards	6.66	3.66	2.21	1.41	0.94	0.65	0.47
		Suction	8.87	4.88	2.94	1.88	1.26	0.87	0.63
	60	Downwards	7.68	4.57	2.98	2.04	1.45	1.05	0.79
		Suction	10.22	6.09	3.97	2.72	1.93	1.41	1.05
	100	Downwards	10.76	6.68	4.57	3.28	2.42	1.83	1.39
		Suction	14.62	9.19	6.38	4.66	3.52	2.72	2.14
DOUBLE SPAN Outer Sheet 0.5mm steel Inner Sheet 0.4mm steel 	30	Downwards	3.53	2.07	1.36	0.94	0.68	0.50	0.38
		Suction	4.71	2.77	1.81	1.26	0.91	0.67	0.51
	40	Downwards	5.05	3.00	1.99	1.39	1.01	0.76	0.58
		Suction	6.74	4.00	2.65	1.86	1.35	1.01	0.77
	60	Downwards	5.68	3.50	2.41	1.77	1.34	1.05	0.83
		Suction	7.57	4.67	3.22	2.36	1.79	1.40	1.11
	100	Downwards	7.85	4.93	3.46	2.58	1.99	1.58	1.27
		Suction	10.75	6.86	4.90	3.72	2.94	2.38	1.97

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