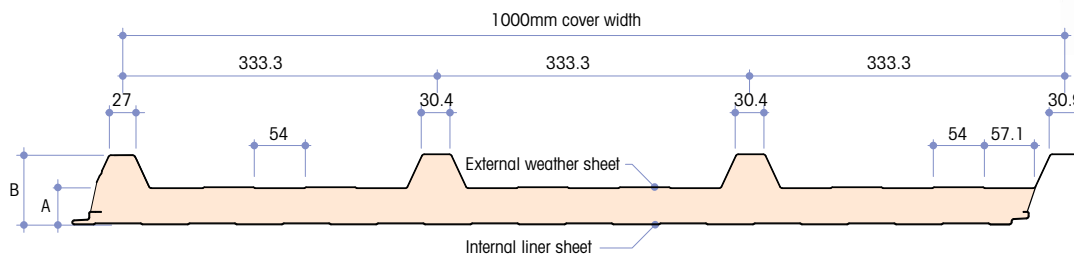


Insulated tile support roof panel system - KS1000 TS





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



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 (03) 358 7536

Kingspan Limited
Tel 03 358 7536 **Fax** 03 358 7539
Email infoNZ@kingspan.co.nz
 www.kingspan.co.nz

