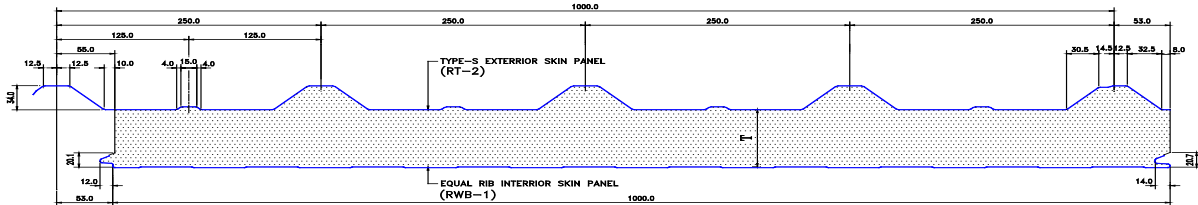


**TEMPCON "TCSQ" INSULATED STEEL PANEL  
( Nominal Thickness T=50 mm )**



**Section Properties**

Skin Thickness (mm)		Weight kg/m <sup>2</sup>	Area cm <sup>2</sup>	Top in Compression				Bottom in Compression				Web Shear & Cripp.	
Exterior	Interior			Ix cm <sup>4</sup>	Zx-Top cm <sup>3</sup>	Zx-Bott. cm <sup>3</sup>	Ma kN.m	Ix cm <sup>4</sup>	Zx-Top cm <sup>3</sup>	Zx-Bott. cm <sup>3</sup>	Ma kN.m	Va kN	Pa kN
0.7	0.7	14.87	16.00	106.88	15.92	38.40	3.29	109.49	20.92	26.95	4.32	3.84	7.98
0.7	0.5	13.19	13.87	88.01	14.87	26.04	3.07	86.64	18.45	18.33	3.79	3.84	6.92
0.5	0.5	11.28	11.43	62.42	9.06	24.75	1.87	72.56	13.90	17.75	2.87	3.71	6.92

**Load Table [ kN/m<sup>2</sup> ]**

Skin Thickness (mm)	Number of Spans	Load Case	Span in meters										
			1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
Ext. 0.7 Int. 0.7	1	D+L	5.12	4.39	3.84	3.41	3.07	2.79	2.56	2.36	2.15	1.76	1.45
		WP	6.81	5.84	5.11	4.54	4.09	3.71	3.40	3.14	2.86	2.49	2.17
		WS	7.18	6.16	5.39	4.79	4.31	3.92	3.59	3.31	3.08	2.70	2.22
	2	D+L	4.26	3.65	3.19	2.84	2.55	2.32	2.13	1.96	1.82	1.70	1.60
		WP	5.66	4.85	4.25	3.77	3.40	3.09	2.83	2.61	2.43	2.26	2.12
		WS	5.45	4.67	4.09	3.63	3.27	2.97	2.72	2.51	2.33	2.18	2.04
	3	D+L	4.50	3.86	3.37	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69
		WP	5.98	5.13	4.49	3.99	3.59	3.26	2.99	2.76	2.56	2.39	2.24
		WS	5.67	4.86	4.26	3.78	3.40	3.10	2.84	2.62	2.43	2.27	2.13
Ext. 0.7 Int. 0.5	1	D+L	5.12	4.39	3.84	3.41	3.07	2.79	2.56	2.22	1.78	1.45	1.19
		WP	6.81	5.84	5.11	4.54	4.09	3.71	3.40	3.09	2.67	2.17	1.79
		WS	7.18	6.16	5.39	4.79	4.31	3.92	3.59	3.28	2.63	2.13	1.76
	2	D+L	3.69	3.16	2.77	2.46	2.21	2.01	1.85	1.70	1.58	1.48	1.38
		WP	4.91	4.21	3.68	3.27	2.95	2.68	2.45	2.27	2.10	1.96	1.84
		WS	5.45	4.67	4.09	3.63	3.27	2.97	2.72	2.51	2.33	2.18	2.04
	3	D+L	4.19	3.59	3.15	2.80	2.52	2.29	2.10	1.94	1.80	1.68	1.57
		WP	5.58	4.78	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09
		WS	5.67	4.86	4.26	3.78	3.40	3.10	2.84	2.62	2.43	2.27	2.13
Ext. 0.5 Int. 0.5	1	D+L	4.95	4.24	3.71	2.96	2.39	1.98	1.66	1.42	1.22	1.03	0.84
		WP	6.58	5.64	4.94	3.93	3.18	2.63	2.21	1.88	1.62	1.42	1.24
		WS	7.00	6.00	5.25	4.67	4.20	3.82	3.40	2.75	2.20	1.79	1.47
	2	D+L	3.69	3.16	2.77	2.46	2.21	2.01	1.85	1.70	1.58	1.48	1.38
		WP	4.91	4.21	3.68	3.27	2.95	2.68	2.45	2.27	2.10	1.96	1.84
		WS	5.27	4.52	3.95	3.51	3.16	2.63	2.21	1.88	1.62	1.42	1.24
	3	D+L	4.19	3.59	3.15	2.80	2.52	2.29	2.08	1.77	1.53	1.33	1.17
		WP	5.58	4.78	4.18	3.72	3.35	3.04	2.76	2.36	2.03	1.77	1.56
		WS	5.49	4.70	4.12	3.66	3.29	2.99	2.74	2.36	2.03	1.77	1.56

Note: D + L = Dead + Live Load ( Deflection limit Span/180 )  
 WP = Wind Pressure ( Deflection limit Span/120 )  
 WS = Wind Suction ( Deflection limit Span/120 )  
 Material conforming to ASTM A792 Grade 50B (Fy = 34.5 kN/cm<sup>2</sup>) or equivalent