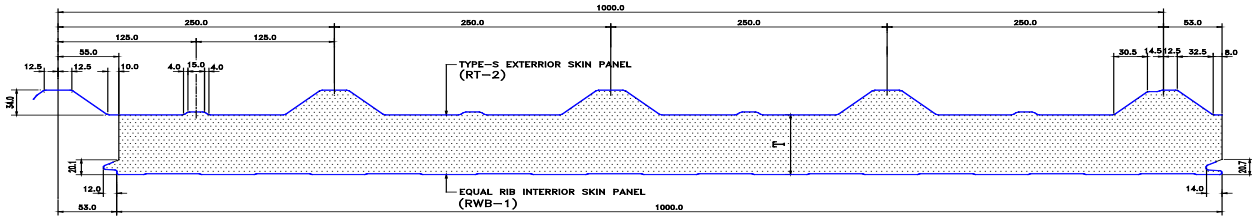




**TEMPCON "TCSQ" INSULATED STEEL PANEL
(Nominal Thickness T=100 mm)**



Section Properties

Skin Thickness (mm)		Weight kg/m2	Area cm2	Top in Compression				Bottom in Compression				Web Shear & Cripp.	
Exterior	Interior			Ix cm4	Zx-Top cm3	Zx-Bott. cm3	Ma kN.m	Ix cm4	Zx-Top cm3	Zx-Bott. cm3	Ma kN.m	Va kN	Pa kN
0.7	0.7	16.87	16.00	330.72	31.67	67.62	6.54	326.68	45.97	40.71	8.41	6.76	7.98
0.7	0.5	15.19	13.87	271.68	30.27	45.31	6.25	244.09	40.40	25.95	5.36	6.76	6.92
0.5	0.5	13.28	11.43	200.89	19.27	44.09	3.98	210.99	30.23	25.63	5.30	6.61	6.92

Load Table [kN/m2]

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	9.02	7.73	6.76	6.01	5.41	4.92	4.51	4.16	3.86	3.61	3.27
		WP	11.99	10.28	8.99	7.99	7.20	6.54	6.00	5.53	5.14	4.80	4.35
		WS	12.54	10.75	9.40	8.36	7.52	6.84	6.27	5.79	5.37	5.01	4.70
	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	9.59	8.22	7.20	6.40	5.76	5.23	4.80	4.43	4.11	3.84	3.60
	3	D+L	4.84	4.15	3.63	3.22	2.90	2.64	2.42	2.23	2.07	1.93	1.81
		WP	6.43	5.51	4.82	4.29	3.86	3.51	3.22	2.97	2.76	2.57	2.41
		WS	9.99	8.57	7.49	6.66	6.00	5.45	5.00	4.61	4.28	4.00	3.75
Ext. 0.7 Int. 0.5	1	D+L	9.02	7.73	6.76	6.01	5.41	4.92	4.51	4.16	3.86	3.56	3.13
		WP	11.99	10.28	8.99	7.99	7.20	6.54	6.00	5.53	5.14	4.73	4.16
		WS	12.54	10.75	9.40	8.36	7.52	6.84	6.27	5.40	4.66	4.06	3.56
	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	9.59	8.22	7.20	6.40	5.76	5.23	4.80	4.43	4.11	3.84	3.60
	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	9.99	8.57	7.49	6.66	6.00	5.45	5.00	4.61	4.28	4.00	3.75
Ext. 0.5 Int. 0.5	1	D+L	8.82	7.56	6.61	5.88	5.10	4.21	3.54	3.02	2.60	2.26	1.99
		WP	11.73	10.05	8.80	7.82	6.78	5.60	4.71	4.01	3.46	3.01	2.65
		WS	12.04	10.32	9.03	8.02	7.22	6.57	6.02	5.33	4.60	4.01	3.52
	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	9.38	8.04	7.04	6.25	5.63	5.12	4.69	4.01	3.46	3.01	2.65
	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	9.77	8.38	7.33	6.52	5.86	5.33	4.89	4.51	4.19	3.77	3.31

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/cm2) or equivalent