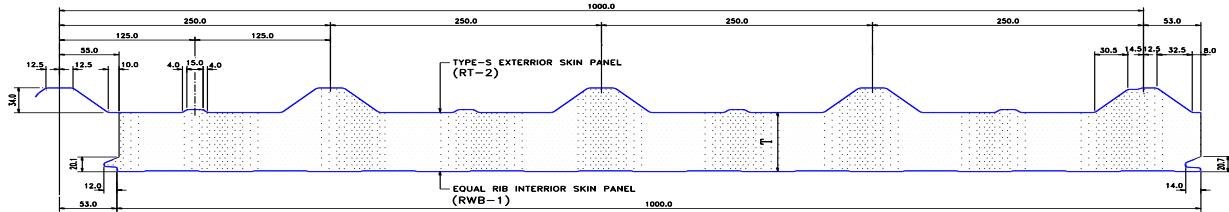




**TEMPCON "TCSQ" INSULATED STEEL PANEL  
( Nominal Thickness T=40 mm )**



**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	14.47	16.00	74.25	11.97	33.70	2.47	74.14	15.83	20.86	3.27	3.37	7.98
0.7	0.5	12.79	13.87	62.23	11.26	22.96	2.33	57.47	13.64	13.89	2.82	3.37	6.92
0.5	0.5	10.88	11.43	43.50	6.89	21.34	1.42	48.06	10.38	13.19	2.14	3.20	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	4.49	3.85	3.37	3.00	2.70	2.45	2.20	1.87	1.50	1.22	1.00
		WP	5.98	5.12	4.48	3.98	3.59	3.26	2.92	2.49	2.15	1.83	1.51
		WS	6.36	5.45	4.77	4.24	3.82	3.47	3.18	2.81	2.25	1.83	1.51
	2	D+L	3.82	3.28	2.87	2.55	2.29	2.09	1.91	1.77	1.64	1.53	1.43
		WP	5.09	4.36	3.82	3.39	3.05	2.77	2.54	2.35	2.18	2.03	1.91
		WS	4.78	4.10	3.59	3.19	2.87	2.61	2.39	2.21	2.05	1.87	1.64
	3	D+L	3.98	3.41	2.99	2.66	2.39	2.17	1.99	1.84	1.71	1.59	1.49
		WP	5.30	4.54	3.97	3.53	3.18	2.89	2.65	2.45	2.27	2.12	1.99
		WS	4.98	4.27	3.74	3.32	2.99	2.72	2.49	2.30	2.13	1.99	1.87
Ext. 0.7 Int. 0.5	1	D+L	4.49	3.85	3.37	3.00	2.70	2.45	2.00	1.57	1.26	1.02	0.84
		WP	5.98	5.12	4.48	3.98	3.59	3.26	2.75	2.34	1.89	1.53	1.26
		WS	6.36	5.45	4.77	4.24	3.82	3.47	2.77	2.18	1.74	1.42	1.17
	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	4.78	4.10	3.59	3.19	2.87	2.61	2.39	2.21	2.02	1.76	1.55
	3	D+L	3.98	3.41	2.99	2.66	2.39	2.17	1.99	1.84	1.71	1.59	1.45
		WP	5.30	4.54	3.97	3.53	3.18	2.89	2.65	2.45	2.27	2.12	1.93
		WS	4.98	4.27	3.74	3.32	2.99	2.72	2.49	2.30	2.13	1.99	1.87
Ext. 0.5 Int. 0.5	1	D+L	4.27	3.66	2.85	2.25	1.82	1.51	1.27	1.08	0.88	0.71	0.59
		WP	5.68	4.87	3.79	2.99	2.42	2.00	1.68	1.43	1.24	1.07	0.88
		WS	6.19	5.31	4.65	4.13	3.65	3.00	2.31	1.82	1.46	1.18	0.98
	2	D+L	3.69	3.16	2.77	2.46	2.21	2.01	1.85	1.62	1.40	1.22	1.07
		WP	4.91	4.21	3.68	3.27	2.95	2.68	2.45	2.16	1.86	1.62	1.43
		WS	4.54	3.89	3.41	2.99	2.42	2.00	1.68	1.43	1.24	1.08	0.95
	3	D+L	3.88	3.33	2.91	2.59	2.28	1.88	1.58	1.35	1.16	1.01	0.89
		WP	5.16	4.42	3.87	3.44	3.03	2.50	2.10	1.79	1.55	1.35	1.18
		WS	4.73	4.06	3.55	3.15	2.84	2.50	2.10	1.79	1.55	1.35	1.18

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