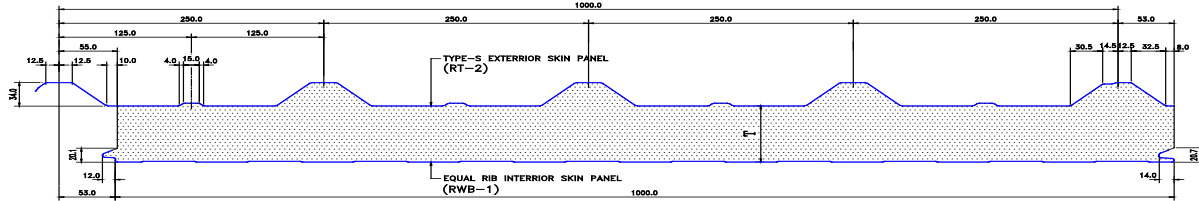




**TEMPCON "TCSQ" INSULATED ALUMINUM PANEL
(Nominal Thickness T=30 mm)**



Section Properties

Skin Thickness (mm)		Weight kg/m ²	Area cm ²	Top in Compression				Bottom in Compression				Web Shear & Cripp.	
Exterior	Interior			Ix cm ⁴	Zx-Top cm ³	Zx-Bott. cm ³	Ma kN.m	Ix cm ⁴	Zx-Top cm ³	Zx-Bott. cm ³	Ma kN.m	Va kN	Pa kN
0.7	0.7	5.84	16.00	49.12	9.06	27.12	0.88	58.17	12.99	24.37	1.26	2.71	7.03
0.7	0.5	5.27	13.87	41.29	8.40	18.74	0.81	45.97	11.33	15.63	1.10	2.71	6.30
0.5	0.5	4.61	11.43	28.22	5.08	17.03	0.49	37.27	8.44	14.75	0.82	2.55	6.30

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	3.11	2.29	1.75	1.27	0.92	0.69	0.53	0.42	0.34	0.27	0.23
		WP	4.14	3.04	2.33	1.84	1.38	1.04	0.80	0.63	0.50	0.41	0.34
		WS	5.21	4.37	3.20	2.25	1.64	1.23	0.95	0.75	0.60	0.49	0.40
	2	D+L	3.13	2.68	2.35	1.99	1.61	1.33	1.12	0.95	0.82	0.68	0.56
		WP	4.16	3.57	3.12	2.64	2.14	1.77	1.49	1.27	1.09	0.95	0.84
		WS	3.85	3.04	2.33	1.84	1.49	1.23	1.04	0.88	0.76	0.66	0.58
3	D+L	3.26	2.80	2.19	1.73	1.40	1.16	0.97	0.81	0.65	0.53	0.43	
	WP	4.34	3.72	2.91	2.30	1.86	1.54	1.29	1.10	0.95	0.79	0.65	
	WS	4.01	3.43	2.91	2.30	1.86	1.54	1.29	1.10	0.95	0.83	0.73	
Ext. 0.7 Int. 0.5	1	D+L	2.89	2.12	1.52	1.06	0.78	0.58	0.45	0.35	0.28	0.23	0.19
		WP	3.84	2.82	2.16	1.60	1.16	0.87	0.67	0.53	0.42	0.34	0.28
		WS	5.18	3.78	2.53	1.78	1.30	0.97	0.75	0.59	0.47	0.38	0.32
	2	D+L	3.13	2.68	2.19	1.73	1.40	1.16	0.97	0.83	0.71	0.57	0.47
		WP	4.16	3.57	2.91	2.30	1.86	1.54	1.29	1.10	0.95	0.83	0.71
		WS	3.84	2.82	2.16	1.71	1.38	1.14	0.96	0.82	0.71	0.61	0.54
3	D+L	3.26	2.65	2.03	1.60	1.30	1.07	0.86	0.68	0.54	0.44	0.36	
	WP	4.34	3.53	2.70	2.13	1.73	1.43	1.20	1.02	0.82	0.66	0.55	
	WS	4.01	3.43	2.70	2.13	1.73	1.43	1.20	1.02	0.88	0.74	0.61	
Ext. 0.5 Int. 0.5	1	D+L	1.75	1.28	0.98	0.73	0.53	0.40	0.31	0.24	0.19	0.16	0.13
		WP	2.32	1.71	1.31	1.03	0.80	0.60	0.46	0.36	0.29	0.24	0.19
		WS	3.86	2.84	2.05	1.44	1.05	0.79	0.61	0.48	0.38	0.31	0.26
	2	D+L	2.90	2.13	1.63	1.29	1.04	0.86	0.73	0.60	0.48	0.39	0.32
		WP	3.86	2.84	2.17	1.72	1.39	1.15	0.96	0.82	0.71	0.59	0.49
		WS	2.32	1.71	1.31	1.03	0.84	0.69	0.58	0.49	0.43	0.37	0.33
3	D+L	2.18	1.60	1.23	0.97	0.79	0.65	0.55	0.46	0.37	0.30	0.25	
	WP	2.90	2.13	1.63	1.29	1.04	0.86	0.73	0.62	0.53	0.45	0.37	
	WS	2.90	2.13	1.63	1.29	1.04	0.86	0.73	0.62	0.53	0.46	0.41	

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 ALLOY 3003 H26 (Fy = 16.15 kN/cm²) or equivalent