

GI DATA SHEET

Section Properties (per meter of coverage width)											
Thickness	Weight	Area		Top in Compression			Bottom in Compression				Shear
mm	Kg/m ²	cm ²	1xcm ⁴	Sx top cm ³	Sx bottom cm ³	Ma KN-m	1x cm ⁴	Sx top cm ³	Sx bottom cm ³	Ma KN-m	Va KN
0.40	3.83	4.88	7.00	2.83	6.63	0.94	6.83	3.78	3.96	1.26	11.51
0.46	4.40	5.61	8.64	3.60	7.65	1.20	8.06	4.38	4.77	1.46	17.55
0.50	4.78	6.10	0.80	4.16	8.33	1.38	8.90	4.79	5.32	1.59	22.52
0.60	5.73	7.31	12.64	5.54	10.04	1.84	11.05	5.79	6.76	1.93	33.36
0.70	6.69	8.53	15.24	6.77	11.77	2.25	13.25	6.80	8.29	2.26	38.70

Allowable Uniform Load Capacities (KN/m2)											
Thickness	No.s	Case	Span in Meters								
			1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
0.40	Upto 2 spams 3 or more spams	D+L Uplift	6.08	3.11	1.13	1.13	0.76	0.53	0.39	0.29	0.23
		D+L Uplift	8.89	4.55	1.66	1.66	1.11	0.78	0.57	0.43	0.33
		D+L Uplift	9.42	5.87	2.14	2.14	1.43	1.01	0.73	0.55	0.42
		D+L Uplift	12.58	8.05	3.13	3.13	2.10	1.47	1.07	0.81	0.62
0.46	Upto 2 spams 3 or more spams	D+L Uplift	7.50	3.84	1.40	1.40	0.94	0.66	0.48	0.36	0.28
		D+L Uplift	10.50	5.37	1.96	1.96	1.31	0.92	0.67	0.50	0.39
		D+L Uplift	11.97	7.25	2.64	2.64	1.77	1.24	0.91	0.68	0.52
		D+L Uplift	14.58	9.33	3.70	3.70	2.48	1.74	1.27	0.95	0.73
0.50	Upto 2 spams 3 or more spams	D+L Uplift	8.51	4.36	1.59	1.59	1.06	0.75	0.54	0.41	0.32
		D+L Uplift	11.59	5.93	2.16	2.16	1.45	1.02	0.74	0.56	0.43
		D+L Uplift	13.84	8.22	3.00	3.00	2.01	1.41	1.03	0.77	0.59
		D+L Uplift	15.91	10.18	4.08	4.08	2.73	1.92	1.40	1.05	0.81
0.60	Upto 2 spams 3 or more spams	D+L Uplift	10.97	5.62	2.05	2.05	1.37	0.96	0.70	0.53	0.41
		D+L Uplift	14.38	7.36	2.68	2.68	1.80	1.26	0.92	0.69	0.53
		D+L Uplift	18.42	10.60	3.86	3.86	2.59	1.82	1.32	1.00	0.77
		D+L Uplift	19.26	12.33	5.06	5.06	3.39	2.32	1.74	1.30	1.00
0.70	Upto 2 spams 3 or more spams	D+L Uplift	13.22	6.77	2.47	2.47	1.65	1.16	0.85	0.64	0.49
		D+L Uplift	17.25	8.83	3.22	3.22	2.16	1.51	1.10	0.83	0.64
		D+L Uplift	22.49	12.77	4.66	4.66	3.12	2.19	1.60	1.20	0.92
		D+L Uplift	22.61	14.47	6.07	6.07	4.07	2.86	2.08	1.56	1.21

Notes: 1. Design of Sheeting is based on equations of AISI -2001 (ASD - Allowable Stress design).

2. D+L = Dead + Live Load (Deflection Limitation: Span / 180)

3. Wind Uplift (Deflection Limitation : Span / 120)