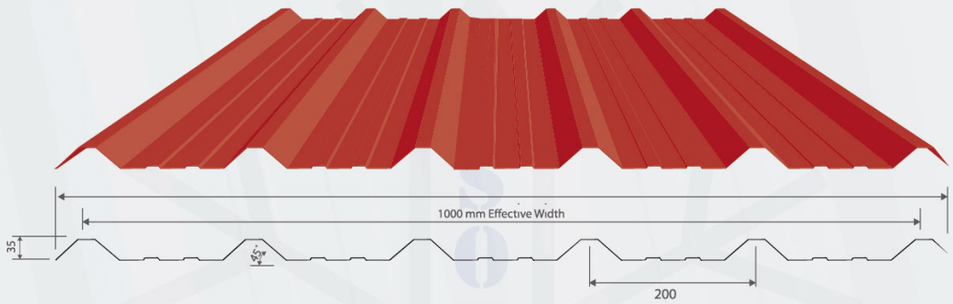
ISOTHERM 35/200 Profile sheets

ISOTHERM 35/200 Profile Sheets are high quality metal sheets with strong design gives best load bearing capacity, have been conceived to meet design engineers requirements especially for large scale buildings. When compared with other similar design sheets it gives much better pull out (wind up lift) results with less number of screws which increase the life of steel building.

Material : Alu Zinc / Galvanized Steel / Aluminium
Thickness : 0.35mm to 0.70mm thick
Length : 300mm to 12,000mm
Width : Refer data sheet
Colours : Bare Millfinish / Off White / Sky Blue / Emirates Green / Ivory / Beige / Brick Red



Thickness mm	Area mm	Inertia mm	Z top mm	Z Bot mm	Aluminium	Steel	Aluminium	Steel
					Max Moment Top		Max Moment Bottom	
					fy=160 KN m	fy=250 KN m	fy=160 KN m	fy=250 KN m
0.50	574	107847	4770	8366	0.55	0.81	0.97	1.42
0.60	689	129418	5712	10001	0.66	0.97	1.15	1.70
0.70	804	150992	6649	11623	0.77	1.13	1.34	1.97
0.80	919	172568	7582	13233	0.87	1.29	1.53	2.24
0.90	1034	194149	8512	14831	0.98	1.44	1.71	2.52

Data provided for Yeild Stress 170 N/mm²

ALUMINIUM

Thickness mm	Span Condition	Purlins Spacing C.C. in mm							Weight
		1000	1250	1500	1750	2000	2250	2500	Kg/m²
0.50		2.90	1.48	0.86	0.54	0.36	0.25	0.19	1.61
		5.45	2.80	1.62	1.02	0.68	0.48	0.35	
0.60		3.48	1.78	1.03	0.65	0.43	0.31	0.22	1.93
		6.54	3.36	1.94	1.22	0.82	0.58	0.42	
0.70		4.06	2.08	1.20	0.76	0.51	0.36	0.26	2.25
		7.63	3.92	2.27	1.43	0.96	0.67	0.49	
0.80		4.64	2.37	1.37	0.87	0.58	0.41	0.30	2.58
		8.72	4.48	2.59	1.63	1.09	0.77	0.56	
0.90		5.22	2.67	1.55	0.97	0.65	0.46	0.33	2.90
		9.81	5.04	2.92	1.84	1.23	0.86	0.63	

Data provided for Yeild Stress 250 N/mm²

STEEL

Thickness mm	Span Condition	Purlins Spacing C.C. in mm							Weight
		1000	1250	1500	1750	2000	2250	2500	Kg/m²
0.50		6.81	4.35	2.52	1.58	1.06	0.75	0.54	4.67
		8.52	5.45	3.79	2.78	2.00	1.41	1.03	
0.60		8.16	5.22	3.02	1.90	1.27	0.89	0.65	5.60
		10.20	6.53	4.53	3.33	2.40	1.69	1.23	
0.70		9.50	6.08	3.52	2.22	1.49	1.04	0.76	6.54
		11.88	7.60	5.28	3.88	2.80	1.97	1.44	
0.80		10.83	6.93	4.03	2.53	1.70	1.19	0.87	7.47
		13.55	8.67	6.02	4.42	3.20	2.25	1.64	
0.90		12.16	7.78	4.53	2.85	1.91	1.34	0.98	8.40
		15.21	9.73	6.76	4.96	3.60	2.53	1.85	

Uniformly distributed loads in KN/M²

* Tolerance applicable as per international Standards