



All Dimensions are in mm

Thickness mm	Span Condition	Purlins Spacing C.C. in MM							for 1 m width units			Weight" Kg / m2
		1000	1250	1500	1750	2000	2250	2500	inertia	mm <sup>4</sup>	Z <sub>top</sub> mm <sup>3</sup>	
0.5		11.35	7.26	4.60	2.89	1.94	1.36	0.99	197063	7947	7947	5.32
		14.20	9.09	6.31	4.63	3.55	2.57	1.87	236466	9730	11103	
0.6		13.90	8.89	5.52	3.47	2.33	1.63	1.19	275869	11305	12951	7.44
		17.39	11.12	7.72	5.67	4.34	3.08	2.25	315272	12831	14849	
0.7		16.15	10.32	6.43	4.05	2.71	1.91	1.39	354676	14504	16536	9.57
		20.02	12.93	8.98	6.59	5.05	3.6	2.62	394115	16084	18332	
0.8		18.33	11.73	7.35	4.63	3.1	2.18	1.59	415272	14849	18332	10.64
		22.93	14.46	10.19	7.48	5.73	4.11	3				
0.9		20.72	13.26	8.27	5.21	3.49	2.45	1.79				
		25.92	16.58	11.51	8.46	6.48	4.62	3.37				
1.0		22.97	14.7	9.19	5.79	3.88	2.72	1.99				
		28.74	18.39	12.77	9.38	7.18	5.14	3.75				

Uniformly distributed loads in KN/M<sup>2</sup> and deflection L/200

\*Tolerance applicable as per international Standards

Technical Details:	
Base Metal	Pre-Galvanized Steel 0.7 to 1.0mm thick
Profile	Profile: 45/150
Thickness	0.7mm - 1.0mm
Yield Strength	345 Mpa
Width	Width: Supplied 900 mm (Effective 910 mm) Length: 6000mm
Coating/Grade	Grade "D" (SS340). Zinc G90 (275gsm/m <sup>2</sup> ) as per ASTM A653

Section Properties (per meter width)														
Base Metal	Thk	Cover Width	Nominal Weight	Area	Full Sect. Ix	Elastic Modulus (E)	Top in compression				Bottom in compression			
							Izet	Sx Top	Sx Bot	Ma tx	Ixeb	Sx Top	Sx Bot	Ma bx
	mm	mm	Kg/m <sup>2</sup>	cm <sup>2</sup>	cm4	kN/cm <sup>2</sup>	cm4	cm <sup>3</sup>	cm <sup>3</sup>	kNm	cm4	cm <sup>3</sup>	cm <sup>3</sup>	kNm
Steel	0.50	900	5.32	6.79	20.97	20300	17.23	80.60	7.14	1.32	19.42	7.78	9.47	1.45
	0.60	900	6.38	8.14	25.16	20300	21.59	9.83	9.13	1.70	24.12	9.81	11.49	1.83
	0.70	900	7.45	9.50	29.34	20300	26.12	11.62	11.26	2.10	28.88	11.88	13.50	2.21
	0.80	900	8.51	10.86	33.53	20300	30.83	13.43	13.49	2.51	33.23	13.70	15.42	2.56
	0.90	900	9.58	12.21	37.73	20300	35.76	14.97	15.91	2.85	37.60	15.53	17.34	2.89
	1.00	900	10.64	13.58	41.91	20300	40.77	17.11	18.39	3.20	41.91	17.30	19.26	3.23
	1.20	900	12.77	16.28	50.29	20300	50.29	20.70	23.00	3.85	50.29	20.68	23.00	3.85