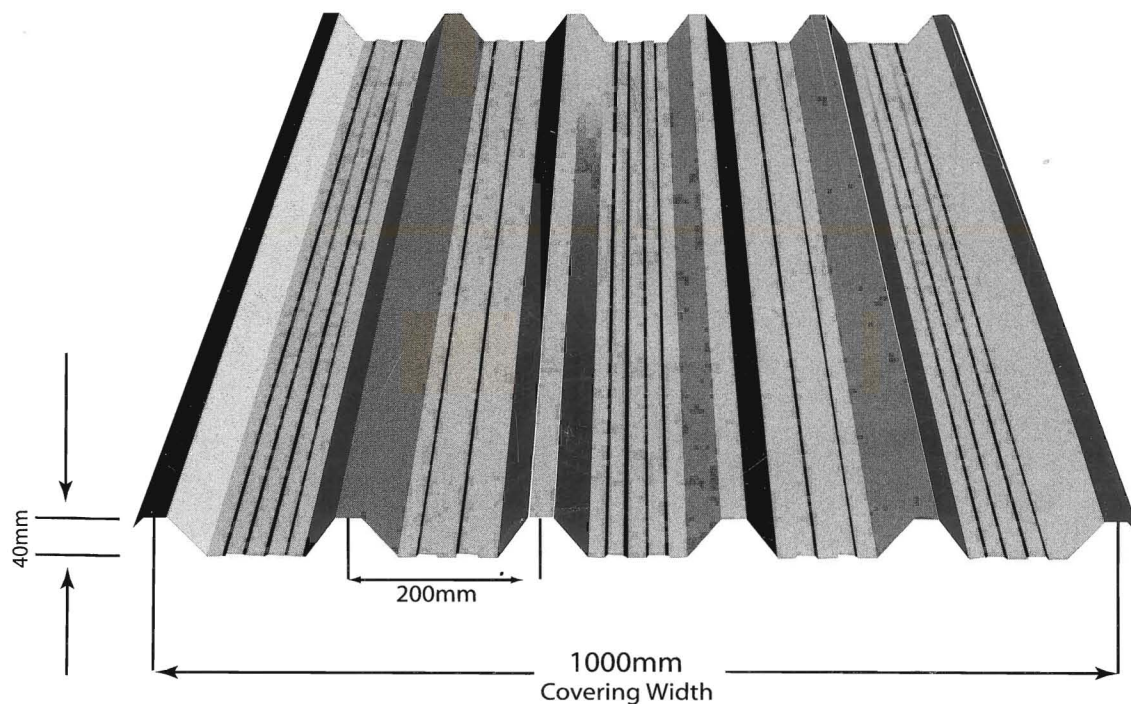


SINGLE SKIN SHEET

PROFILE 40/200



PROFILE PROPERTIES

Yield Strenght 170N/mm² (Aluminum)

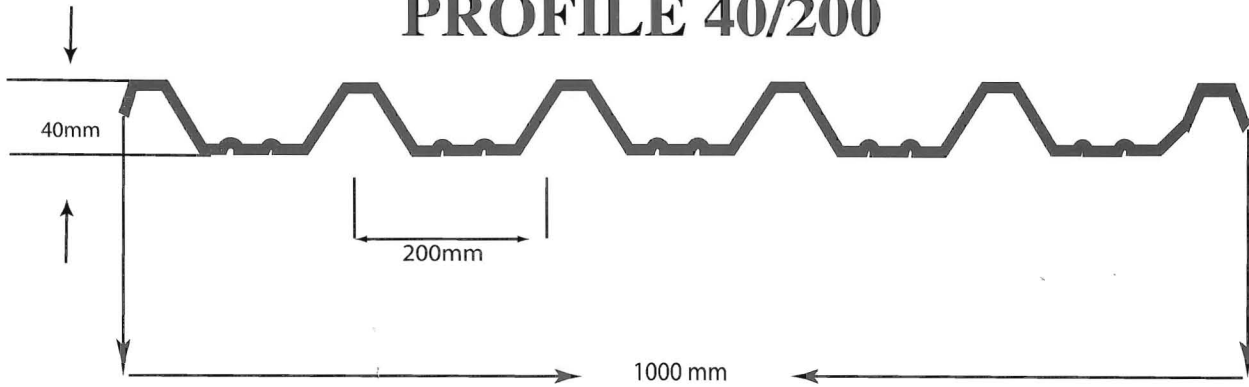
Yield Strenght 200 N/mm² (Steel)

Thickness mm	Area mm ²	Inertia mm ⁴	Z Top mm ³	Z Bot mm ³	Aluminium	Steel	Aluminium	Steel
					Max Moment Top		Max Moment Bot	
					kN m fy=160	kN m fy=250	kN m fy=160	kN m fy=250
0.50	592	139307	5489	9214	0.63	0.93	1.06	1.56
0.60	711	167166	6574	11020	0.76	1.12	1.27	1.87
0.70	829	195025	7654	12814	0.88	1.30	1.48	2.17
0.80	948	222887	8730	14597	1.01	1.48	1.68	2.48
0.90	1066	250750	9802	16368	1.13	1.66	1.89	2.78
1.00	1184	278617	10871	18128	1.25	1.84	2.09	3.08
1.20	1680	334365	12995	21614	1.50	2.20	2.49	3.67

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SINGLE SKIN SHEET

PROFILE 40/200



ALUMINUM

Thickness (mm)	Span condition	Purlins Spacing C.C. in mm							Weight Kg/m ²
		1000	1250	1500	1750	2000	2250	2500	
0.50	▲▲	3.74	1.53	0.74	0.40	0.23	0.15	0.10	1.65
	▲▲▲▲	6.48	3.62	2.09	1.32	0.88	0.62	0.45	
0.60	▲▲	4.49	1.84	0.89	0.48	0.28	0.18	0.12	1.98
	▲▲▲▲	7.76	4.34	2.51	1.58	1.06	0.74	0.54	
0.70	▲▲	5.24	2.15	1.04	0.56	0.33	0.20	0.13	2.31
	▲▲▲▲	9.04	5.06	2.93	1.84	1.24	0.87	0.63	
0.80	▲▲	5.99	2.45	1.18	0.64	0.37	0.23	0.15	2.64
	▲▲▲▲	10.31	5.79	3.35	2.11	1.41	0.99	0.72	
0.90	▲▲	6.74	2.76	1.33	0.72	0.42	0.26	0.17	2.97
	▲▲▲▲	11.58	6.51	3.77	2.37	1.59	1.12	0.81	
1.00	▲▲	7.49	3.07	1.48	0.80	0.47	0.29	0.19	3.30
	▲▲▲▲	12.84	7.23	4.19	2.64	1.76	1.24	0.90	
1.20	▲▲	8.99	3.68	1.78	0.96	0.56	0.35	0.23	3.96
	▲▲▲▲	15.35	8.68	5.02	3.16	2.12	1.49	1.09	

Uniformly distributed loads in KN/M² and deflection L/200

STEEL

Thickness (mm)	Span condition	Purlins Spacing C.C. in mm							Weight Kg/m ²
		1000	1250	1500	1750	2000	2250	2500	
0.50	▲▲	7.84	5.02	3.25	2.05	1.37	0.96	0.70	4.78
	▲▲▲▲	9.81	6.28	4.36	3.20	2.45	1.82	1.32	
0.60	▲▲	9.39	6.01	3.90	2.46	1.64	1.16	0.84	5.74
	▲▲▲▲	11.74	7.52	5.22	3.83	2.93	2.18	1.59	
0.70	▲▲	10.93	7.00	4.55	2.86	1.92	1.35	0.98	6.70
	▲▲▲▲	13.68	8.75	6.08	4.46	3.42	2.54	1.85	
0.80	▲▲	12.47	7.98	5.20	3.27	2.19	1.54	1.12	7.66
	▲▲▲▲	15.60	9.98	6.93	5.09	3.90	2.91	2.12	
0.90	▲▲	14.00	8.96	5.85	3.68	2.47	1.73	1.26	8.61
	▲▲▲▲	17.51	11.21	7.78	5.72	4.38	3.27	2.38	
1.00	▲▲	15.53	9.94	6.50	4.09	2.74	1.93	1.40	9.57
	▲▲▲▲	19.42	12.43	8.63	6.34	4.85	3.63	2.65	
1.20	▲▲	18.56	11.88	7.80	4.91	3.29	2.31	1.68	11.49
	▲▲▲▲	23.22	14.86	10.32	7.58	5.80	4.36	3.18	

Uniformly distributed loads in KN/M² and deflection L/200

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