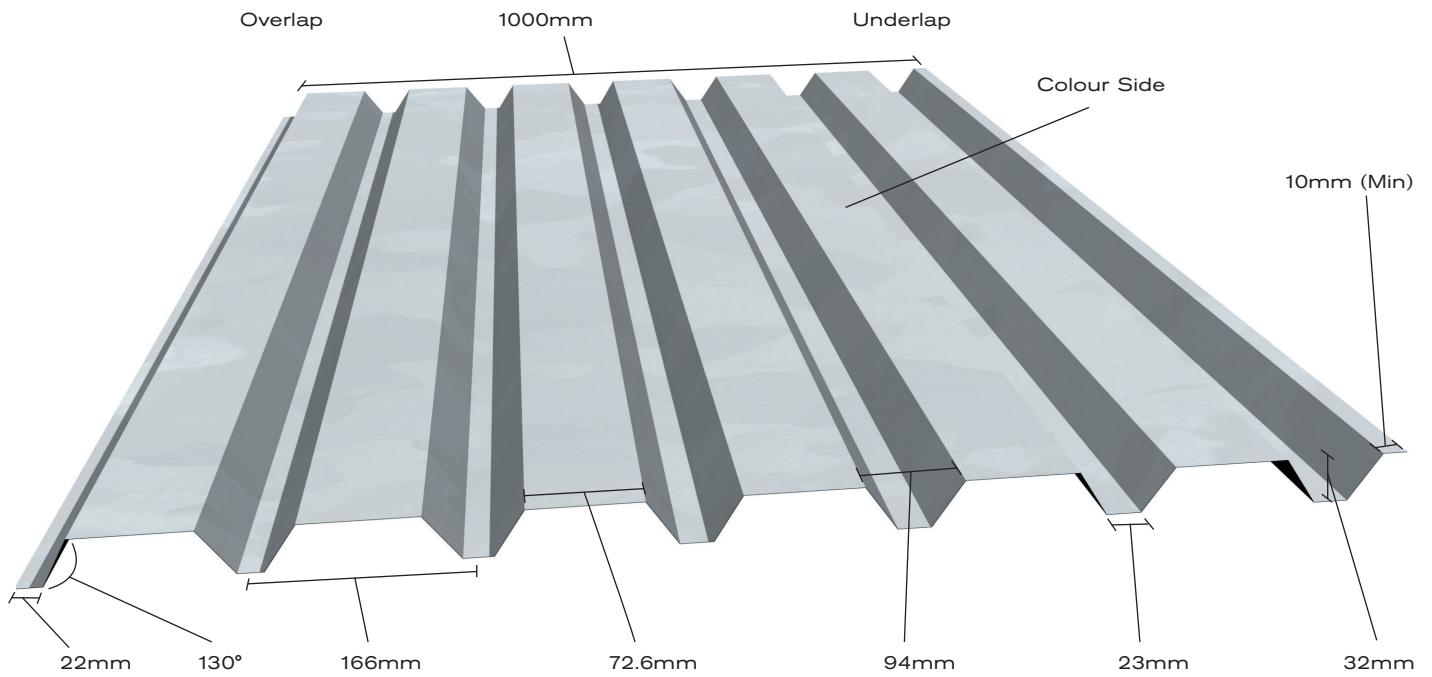


1000/32mm Reverse – Aluminium



Dimensions details	
Cover Width	1000mm
Profile Pitch	166.6mm
Profile Depth	32mm
Crown Width	23mm
Valley Width	94mm
Rib Width	72.6mm
Web	40mm
Underlap (Right as shown above)	10mm (Minimum)
Overlap (Left as shown above)	22mm

Weight Per Linear Metre	
0.7mm Mill Finish	2.338 kgs
0.9mm Mill Finish	3.006 kgs
0.7mm One Side Coated	2.368 kgs
0.9mm One Side Coated	3.039 kgs

Deflection <L/200 Deflection Limit under working load = L/200

t(mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm4/m)	Rcap (kNm/m)
0.9	1.63	1.7	11.921	23.08
0.7	1.13	1.16	8.596	14.82

Profile Ref: 32/1000 Reverse

Profile Type: Aluminium

Single Span Case - Permissible Working +ve Loads

Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.7mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	2.28	1.71	1.32	1.04	0.83	0.67	0.56	0.46	0.39	0.33	0.28	0.25	0.21	0.19	0.16	0.15	0.13
	Reaction	19.76	17.96	16.47	15.20	14.11	13.17	12.35	11.62	10.98	10.40	9.88	9.41	8.98	8.59	8.23	7.90	7.60
0.9mm	Limiting	2.28	1.71	1.32	1.04	0.83	0.67	0.56	0.46	0.39	0.33	0.28	0.25	0.21	0.19	0.16	0.15	0.13
	Moment	8.69	7.18	6.04	5.14	4.44	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.29
	Inertia	3.16	2.37	1.83	1.44	1.15	0.94	0.77	0.64	0.54	0.46	0.39	0.34	0.30	0.26	0.23	0.20	0.18
	Reaction	30.77	27.98	25.64	23.67	21.98	20.52	19.23	18.10	17.10	16.20	15.39	14.65	13.99	13.38	12.82	12.31	11.84
0.7mm	Limiting	3.16	2.37	1.83	1.44	1.15	0.94	0.77	0.64	0.54	0.46	0.39	0.34	0.30	0.26	0.23	0.20	0.18

Double Span Case - Permissible Working +ve Loads

Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.7mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	6.19	5.11	4.30	3.66	3.16	2.75	2.42	2.14	1.91	1.71	1.55	1.40	1.28	1.17	1.07	0.99	0.92
	Inertia	5.49	4.12	3.17	2.50	2.00	1.63	1.34	1.12	0.94	0.80	0.69	0.59	0.52	0.45	0.40	0.35	0.31
	Reaction	12.35	11.23	10.29	9.50	8.82	8.23	7.72	7.26	6.86	6.50	6.18	5.88	5.61	5.37	5.15	4.94	4.75
0.9mm	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	5.49	4.12	3.17	2.50	2.00	1.63	1.34	1.12	0.94	0.80	0.69	0.59	0.52	0.45	0.40	0.35	0.31
	Moment	9.07	7.49	6.30	5.36	4.63	4.03	3.54	3.14	2.80	2.51	2.27	2.06	1.87	1.71	1.57	1.45	1.34
	Inertia	7.61	5.72	4.40	3.46	2.77	2.25	1.86	1.55	1.30	1.11	0.95	0.82	0.71	0.63	0.55	0.49	0.43
0.7mm	Reaction	19.23	17.48	16.03	14.79	13.74	12.82	12.02	11.31	10.69	10.12	9.62	9.16	8.74	8.36	8.01	7.69	7.40
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	7.61	5.72	4.40	3.46	2.77	2.25	1.86	1.55	1.30	1.11	0.95	0.82	0.71	0.63	0.55	0.49	0.43

Deflection <L/100 Deflection Limit under working load = L/100

t(mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm4/m)	Rcap (kNm/m)
0.9	1.63	1.7	11.921	23.08
0.7	1.13	1.16	8.596	14.82

Profile Ref: 32/1000 Reverse

Profile Type: Aluminium

Single Span Case - Permissible Working +ve Loads

Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.7mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	4.56	3.42	2.64	2.07	1.66	1.35	1.11	0.93	0.78	0.66	0.57	0.49	0.43	0.37	0.33	0.29	0.26
	Reaction	19.76	17.96	16.47	15.20	14.11	13.17	12.35	11.62	10.98	10.40	9.88	9.41	8.98	8.59	8.23	7.90	7.60
0.9mm	Limiting	4.56	3.42	2.64	2.07	1.66	1.35	1.11	0.93	0.78	0.66	0.57	0.49	0.43	0.37	0.33	0.29	0.26
	Moment	8.69	7.18	6.04	5.14	4.44	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.29
	Inertia	6.32	4.75	3.66	2.88	2.30	1.87	1.54	1.29	1.08	0.92	0.79	0.68	0.59	0.52	0.46	0.40	0.36
	Reaction	30.77	27.98	25.64	23.67	21.98	20.52	19.23	18.10	17.10	16.20	15.39	14.65	13.99	13.38	12.82	12.31	11.84
0.7mm	Limiting	6.32	4.75	3.66	2.88	2.30	1.87	1.54	1.29	1.08	0.92	0.79	0.68	0.59	0.52	0.46	0.40	0.36

Double Span Case - Permissible Working +ve Loads

Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.7mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	6.19	5.11	4.30	3.66	3.16	2.75	2.42	2.14	1.91	1.71	1.55	1.40	1.28	1.17	1.07	0.99	0.92
	Inertia	10.97	8.24	6.35	4.99	4.00	3.25	2.68	2.23	1.88	1.60	1.37	1.18	1.03	0.90	0.79	0.70	0.62
	Reaction	12.35	11.23	10.29	9.50	8.82	8.23	7.72	7.26	6.86	6.50	6.18	5.88	5.61	5.37	5.15	4.94	4.75
0.9mm	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	6.19	5.11	4.30	3.66	3.16	2.75	2.42	2.14	1.88	1.60	1.37	1.18	1.03	0.90	0.79	0.70	0.62
	Moment	9.07	7.49	6.30	5.36	4.63	4.03	3.54	3.14	2.80	2.51	2.27	2.06	1.87	1.71	1.57	1.45	1.34
	Inertia	15.22	11.43	8.81	6.93	5.55	4.51	3.72	3.10	2.61	2.22	1.90	1.64	1.43	1.25	1.10	0.97	0.87
0.7mm	Reaction	19.23	17.48	16.03	14.79	13.74	12.82	12.02	11.31	10.69	10.12	9.62	9.16	8.74	8.36	8.01	7.69	7.40
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	9.07	7.49	6.30	5.36	4.63	4.03	3.54	3.10	2.61	2.22	1.90	1.64	1.43	1.25	1.10	0.97	0.87