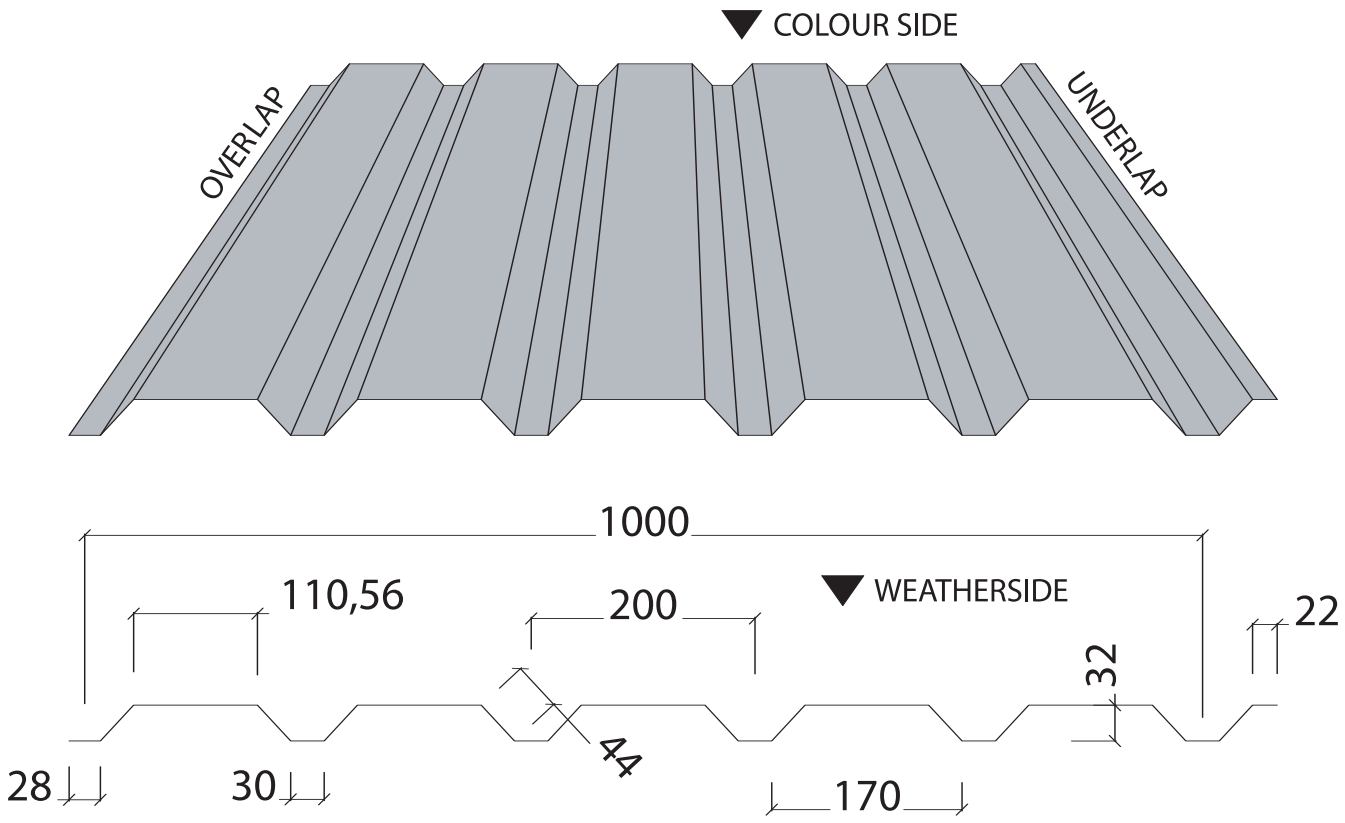
Colorpro Profiles

32-1000 REVERSE



DIMENSION DETAILS

PROFILE DEPTH :	32mm
COVER WIDTH:	1000mm
CROWN WIDTH :	110.56mm
RIB WIDTH:	170mm
PROFILE PITCH:	200mm
WEB:	44mm
VALLEY WIDTH:	30mm
OVERLAP:	28mm
UNDERLAP:	22mm

WEIGHT PER LINEAR METRE

0.5mm COATED TO ONE SIDE:	4.78kgs
0.7mm COATED TO ONE SIDE:	6.7kgs

TOLERANCES ON ALL DIMENSIONS AS PER BS EN 508-1:2000

Directional laying required.

Deflection < L/200

				t(mm)	Mcap+ve (KNm/m)	Mcap-ve (KNm/m)	leff (mm4/m)	Rcap (kN/m)	Deflection Limit under working load = L/200
Profile Ref:	**32/1000 REVERSE**	**Profile Type:**	**Steel**	0.7	1.61	1.69	8.46	23.87	
				0.5	0.98	1.02	5.47	13.17	

Single Span Case - Permissible Working +ve Loads (KN/m²)

Thickness	Design Case	Span 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
0,5mm	Moment	5.25	4.34	3.65	3.11	2.68	2.33	2.05	1.82	1.62	1.45	1.31	1.19	1.08	0.99	0.91	0.84	0.78
	Inertia	4.30	3.23	2.49	1.96	1.57	1.27	1.05	0.88	0.74	0.63	0.54	0.46	0.40	0.35	0.31	0.28	0.24
	Reaction	17.56	15.96	14.63	13.51	12.54	11.71	10.97	10.33	9.75	9.24	8.78	8.36	7.98	7.63	7.32	7.02	6.75
	Limiting	4.30	3.23	2.49	1.96	1.57	1.27	1.05	0.88	0.74	0.63	0.54	0.46	0.40	0.35	0.31	0.28	0.24
0,7mm	Moment	8.61	7.12	5.98	5.09	4.39	3.83	3.36	2.98	2.66	2.39	2.15	1.95	1.78	1.63	1.49	1.38	1.27
	Inertia	6.66	5.00	3.86	3.03	2.43	1.97	1.63	1.36	1.14	0.97	0.83	0.72	0.63	0.55	0.48	0.43	0.38
	Reaction	31.82	28.93	26.52	24.48	22.73	21.22	19.89	18.72	17.68	16.75	15.91	15.15	14.47	13.84	13.26	12.73	12.24
	Limiting	6.66	5.00	3.86	3.03	2.43	1.97	1.63	1.36	1.14	0.97	0.83	0.72	0.63	0.55	0.48	0.43	0.38

Double Span Case - Permissible Working +ve Loads (KN/m²)

Thickness	Design Case	Span 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
0,5mm	Moment	5.44	4.49	3.78	3.22	2.77	2.42	2.12	1.88	1.68	1.51	1.36	1.23	1.12	1.03	0.94	0.87	0.80
	Inertia	10.36	7.79	6.00	4.72	3.78	3.07	2.53	2.11	1.78	1.51	1.30	1.12	0.97	0.85	0.75	0.66	0.59
	Reaction	10.97	9.98	9.14	8.44	7.84	7.32	6.86	6.46	6.10	5.78	5.49	5.23	4.99	4.77	4.57	4.39	4.22
	Interaction	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.18	1.09	1.02	0.95
	Limiting	4.75	4.09	3.55	3.12	2.76	2.42	2.12	1.88	1.68	1.51	1.30	1.12	0.97	0.85	0.75	0.66	0.59
0,7mm	Moment	9.04	7.47	6.28	5.35	4.61	4.02	3.53	3.13	2.79	2.50	2.26	2.05	1.87	1.71	1.57	1.45	1.34
	Inertia	16.05	12.06	9.29	7.30	5.85	4.75	3.92	3.27	2.75	2.34	2.01	1.73	1.51	1.32	1.16	1.03	0.91
	Reaction	19.89	18.08	16.57	15.30	14.21	13.26	12.43	11.70	11.05	10.47	9.94	9.47	9.04	8.65	8.29	7.96	7.65
	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	8.47	7.27	6.28	5.35	4.61	4.02	3.53	3.13	2.75	2.34	2.01	1.73	1.51	1.32	1.16	1.03	0.91