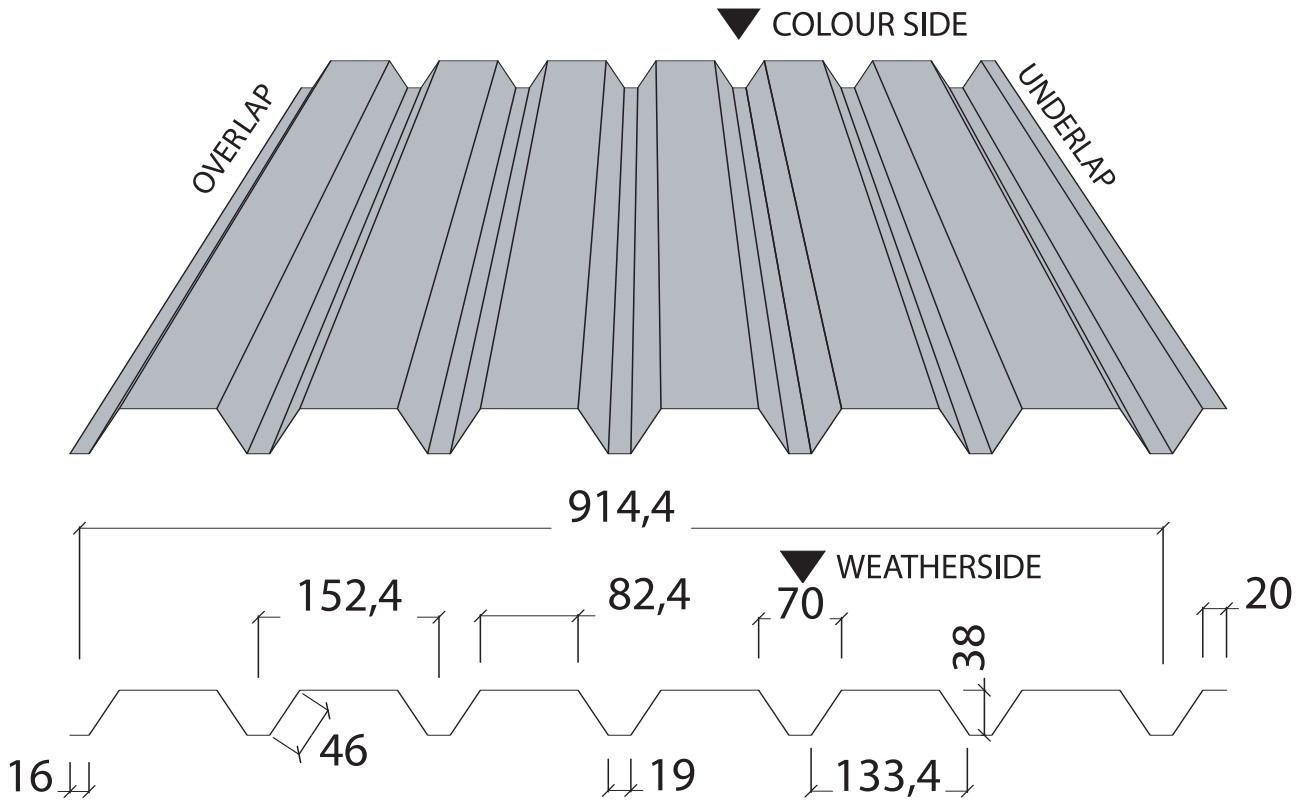


Colorpro Profiles

38-914 REVERSE



DIMENSION DETAILS

PROFILE DEPTH :	38mm
COVER WIDTH:	914.4mm
CROWN WIDTH :	82.4mm
RIB WIDTH:	133.4mm
PROFILE PITCH:	152.4mm
WEB:	46mm
VALLEY WIDTH:	19mm
OVERLAP:	16mm
UNDERLAP:	20mm

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.

Load Span Tables

Deflection < L/200

Profile Ref:	38/914 REVERSE		Profile Type:	Steel	t(mm)	Mcap+ve (kNm/m)	Mcap-ve (kNm/m)	leff (mm ⁴ /m)	Rcap (kN/m)	Deflection Limit under working load = L/200							
	Span in Metres	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
	Moment	-	-	5.09	4.39	3.83	3.36	2.98	2.66	2.38	2.15	1.95	1.78	1.63	1.49	1.38	1.27
	Inertia	-	-	3.74	2.99	2.43	2.01	1.67	1.41	1.20	1.03	0.89	0.77	0.68	0.59	0.53	0.47
	Reaction	-	-	21.25	19.73	18.42	17.27	16.25	15.35	14.54	13.81	13.16	12.56	12.01	11.51	11.05	10.63
	Limiting	-	-	3.74	2.99	2.43	2.01	1.67	1.41	1.20	1.03	0.89	0.77	0.68	0.59	0.53	0.47
	Moment	-	-	7.24	6.24	5.44	4.78	4.23	3.77	3.39	3.06	2.77	2.53	2.31	2.12	1.96	1.81
	Inertia	-	-	5.09	4.08	3.32	2.73	2.28	1.92	1.63	1.40	1.21	1.05	0.92	0.81	0.72	0.64
	Reaction	-	-	32.50	30.18	28.16	26.40	24.85	23.47	22.23	21.12	20.12	19.20	18.37	17.60	16.90	16.25
	Limiting	-	-	5.09	4.08	3.32	2.73	2.28	1.92	1.63	1.40	1.21	1.05	0.92	0.81	0.72	0.64

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	-	-	-	5.09	4.39	3.83	3.36	2.98	2.66	2.38	2.15	1.95	1.78	1.63	1.49	1.38	1.27
	Inertia	-	-	-	3.74	2.99	2.43	2.01	1.67	1.41	1.20	1.03	0.89	0.77	0.68	0.59	0.53	0.47
	Reaction	-	-	-	21.25	19.73	18.42	17.27	16.25	15.35	14.54	13.81	13.16	12.56	12.01	11.51	11.05	10.63
	Limiting	-	-	-	3.74	2.99	2.43	2.01	1.67	1.41	1.20	1.03	0.89	0.77	0.68	0.59	0.53	0.47
0.7mm	Moment	-	-	-	7.24	6.24	5.44	4.78	4.23	3.77	3.39	3.06	2.77	2.53	2.31	2.12	1.96	1.81
	Inertia	-	-	-	5.09	4.08	3.32	2.73	2.28	1.92	1.63	1.40	1.21	1.05	0.92	0.81	0.72	0.64
	Reaction	-	-	-	32.50	30.18	28.16	26.40	24.85	23.47	22.23	21.12	20.12	19.20	18.37	17.60	16.90	16.25
	Limiting	-	-	-	5.09	4.08	3.32	2.73	2.28	1.92	1.63	1.40	1.21	1.05	0.92	0.81	0.72	0.64

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	-	-	-	5.06	4.36	3.80	3.34	2.96	2.64	2.37	2.14	1.94	1.77	1.62	1.48	1.37	1.27
	Inertia	-	-	-	9.01	7.21	5.86	4.83	4.03	3.39	2.89	2.47	2.14	1.86	1.63	1.43	1.27	1.13
	Reaction	-	-	-	13.28	12.33	11.51	10.79	10.16	9.59	9.09	8.63	8.22	7.85	7.51	7.19	6.91	6.64
	Interaction	-	-	-	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	-	-	-	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
0.7mm	Moment	-	-	-	6.74	5.81	5.06	4.45	3.94	3.51	3.15	2.85	2.58	2.35	2.15	1.98	1.82	1.68
	Inertia	-	-	-	12.27	9.82	7.99	6.58	5.49	4.62	3.93	3.37	2.91	2.53	2.22	1.95	1.72	1.53
	Reaction	-	-	-	20.31	18.86	17.60	16.50	15.53	14.67	13.90	13.20	12.57	12.00	11.48	11.00	10.56	10.16
	Interaction	-	-	-	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	-	-	-	5.53	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