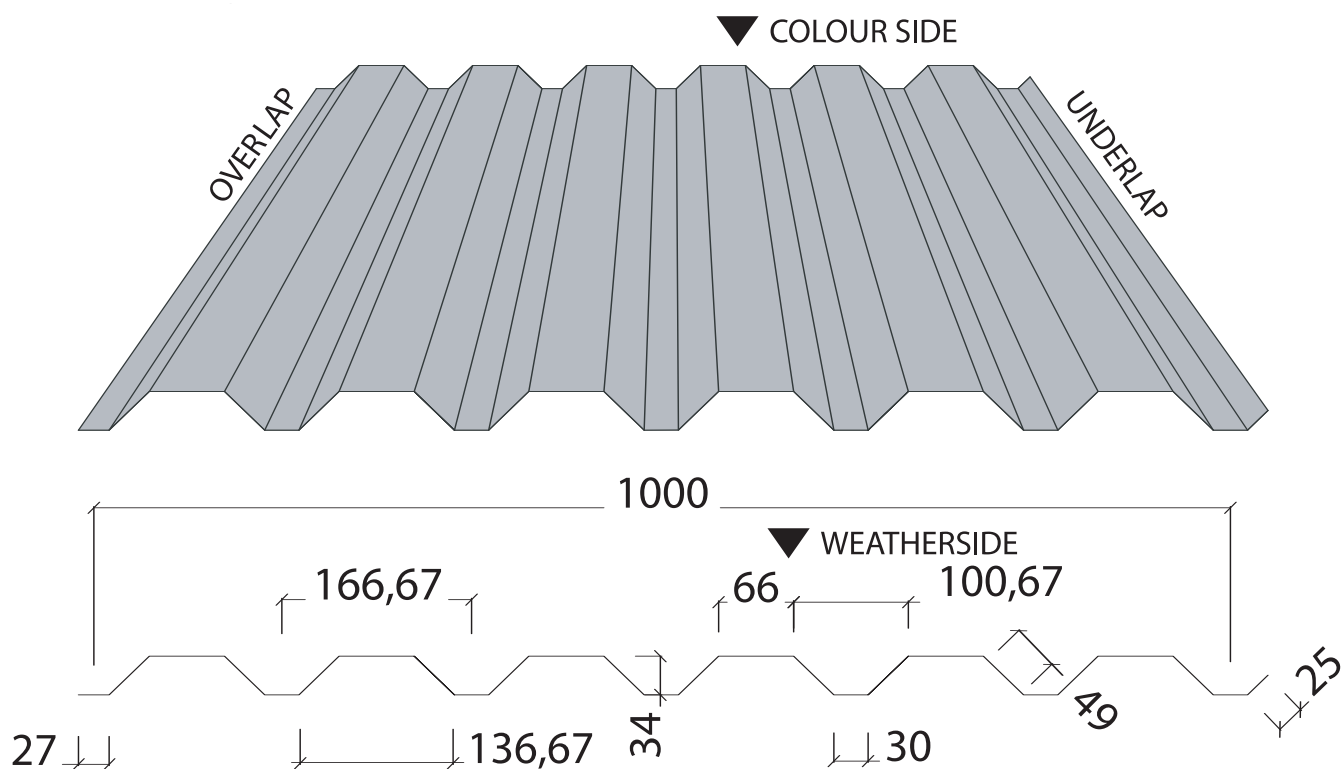


# Colorpro Profiles

## 34-1000 REVERSE



### DIMENSION DETAILS

PROFILE DEPTH :	34mm
COVER WIDTH:	1000mm
CROWN WIDTH :	66mm
RIB WIDTH:	136.67mm
PROFILE PITCH:	166.67mm
WEB:	49mm
VALLEY WIDTH:	30mm
OVERLAP:	27mm
UNDERLAP:	25mm

### 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

The underlap finish illustrated above is based on the use of 1220mm widecoil.

On the occasion of 1250mm availability, an extended underlap can be formed without detriment to the fixing, or performance of the product.

# Load Span Tables

## Deflection < L/200

Profile Ref:	34/1000 REVERSE		Profile Type:	Steel	t(mm)	Mcap+ve (KNm/m)	Mcap-ve (KNm/m)	leff (mm <sup>4</sup> /m)	Rcap (kN/m)	Deflection Limit under working load = L/200
	1.00	1.10								
	0.7	2.02	0.5		2.06	11.38	28.55			
		1.24			1.26	1.40	15.76			

## Single Span Case - Permissible Working +ve Loads (kN/m<sup>2</sup>)

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	6.62	5.48	4.60	3.92	3.38	2.94	2.59	2.29	2.04	1.84	1.66	1.50	1.37	1.25	1.15	1.06	0.98
	Inertia	5.83	4.38	3.37	2.65	2.12	1.73	1.42	1.19	1.00	0.85	0.73	0.63	0.55	0.48	0.42	0.37	0.33
	Reaction	21.01	19.10	17.51	16.16	15.01	14.01	13.13	12.36	11.67	11.06	10.51	10.01	9.55	9.14	8.75	8.40	8.08
0.7mm	Limiting	5.83	4.38	3.37	2.65	2.12	1.73	1.42	1.19	1.00	0.85	0.73	0.63	0.55	0.48	0.42	0.37	0.33
	Moment	10.78	8.91	7.48	6.38	5.50	4.79	4.21	3.73	3.33	2.99	2.69	2.44	2.23	2.04	1.87	1.72	1.59
	Inertia	8.96	6.73	5.18	4.08	3.26	2.65	2.19	1.82	1.54	1.31	1.12	0.97	0.84	0.74	0.65	0.57	0.51
	Reaction	38.07	34.61	31.72	29.28	27.19	25.38	23.79	22.39	21.15	20.03	19.03	18.13	17.30	16.55	15.86	15.23	14.64
	Limiting	8.96	6.73	5.18	4.08	3.26	2.65	2.19	1.82	1.54	1.31	1.12	0.97	0.84	0.74	0.65	0.57	0.51

## Double Span Case - Permissible Working +ve Loads (kN/m<sup>2</sup>)

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	6.71	5.55	4.66	3.97	3.42	2.98	2.62	2.32	2.07	1.86	1.68	1.52	1.39	1.27	1.16	1.07	0.99
	Inertia	14.04	10.55	8.12	6.39	5.12	4.16	3.43	2.86	2.41	2.05	1.75	1.52	1.32	1.15	1.02	0.90	0.80
	Reaction	13.13	11.94	10.94	10.10	9.38	8.75	8.21	7.72	7.30	6.91	6.57	6.25	5.97	5.71	5.47	5.25	5.05
0.7mm	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	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.15	1.02	0.90	0.80
	Moment	10.99	9.08	7.63	6.50	5.61	4.88	4.29	3.80	3.39	3.04	2.75	2.49	2.27	2.08	1.91	1.76	1.63
	Inertia	21.57	16.21	12.48	9.82	7.86	6.39	5.27	4.39	3.70	3.15	2.70	2.33	2.03	1.77	1.56	1.38	1.23
	Reaction	23.79	21.63	19.83	18.30	16.99	15.86	14.87	13.99	13.22	12.52	11.90	11.33	10.81	10.34	9.91	9.52	9.15
	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	6.31	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	6.31	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	6.31	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