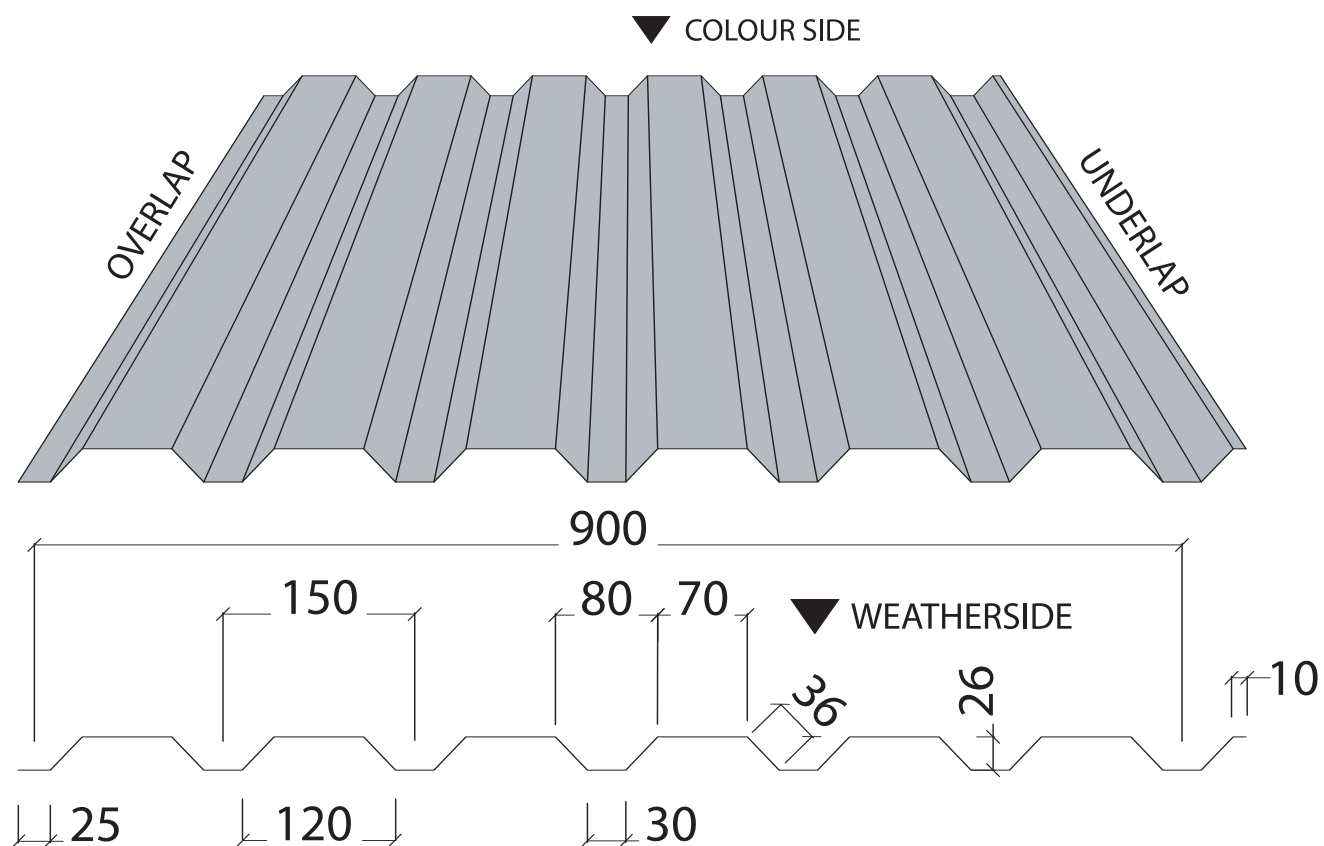


# Colorpro Profiles

## 26-900 REVERSE



### DIMENSION DETAILS

PROFILE DEPTH :	26mm
COVER WIDTH:	900mm
CROWN WIDTH :	70mm
RIB WIDTH:	120mm
PROFILE PITCH:	150mm
WEB:	36mm
VALLEY WIDTH:	30mm
OVERLAP:	25mm
UNDERLAP:	10mm

### WEIGHT PER LINEAR METRE

0.5mm COATED TO ONE SIDE:	4.35kgs
0.7mm COATED TO ONE SIDE:	6.10kgs

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

Directional laying required.

# Load Span Tables

## Deflection <math>< L/200</math>

Profile Ref:	26/900 REVERSE		Profile Type:	Steel	t(mm)	Mcap+ve (kNm/m)	Mcap-ve (kNm/m)	Ieff (mm <sup>4</sup> /m)	Rcap (kN/m)	Deflection Limit under working load = L/200
	1.00	1.10								
	0.7	1.66				1.69		7.14	30.73	
	0.5	1.02				1.06		4.62	16.93	

## 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	5.42	4.48	3.77	3.21	2.77	2.41	2.12	1.88	1.67	1.50	1.36	1.23	1.12	1.03	0.94	0.87	0.80
	Inertia	3.64	2.73	2.11	1.66	1.33	1.08	0.89	0.74	0.62	0.53	0.45	0.39	0.34	0.30	0.26	0.23	0.21
	Reaction	22.58	20.53	18.82	17.37	16.13	15.05	14.11	13.28	12.54	11.88	11.29	10.75	10.26	9.82	9.41	9.03	8.68
0.7mm	Limiting	3.64	2.73	2.11	1.66	1.33	1.08	0.89	0.74	0.62	0.53	0.45	0.39	0.34	0.30	0.26	0.23	0.21
	Moment	8.86	7.32	6.15	5.24	4.52	3.94	3.46	3.07	2.74	2.45	2.22	2.01	1.83	1.68	1.54	1.42	1.31
	Inertia	5.62	4.22	3.25	2.56	2.05	1.67	1.37	1.14	0.96	0.82	0.70	0.61	0.53	0.46	0.41	0.36	0.32
	Reaction	40.98	37.25	34.15	31.52	29.27	27.32	25.61	24.10	22.76	21.57	20.49	19.51	18.63	17.82	17.07	16.39	15.76
	Limiting	5.62	4.22	3.25	2.56	2.05	1.67	1.37	1.14	0.96	0.82	0.70	0.61	0.53	0.46	0.41	0.36	0.32

## 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	5.64	4.66	3.92	3.34	2.88	2.51	2.20	1.95	1.74	1.56	1.41	1.28	1.17	1.07	0.98	0.90	0.83
	Inertia	8.76	6.59	5.07	3.99	3.19	2.60	2.14	1.78	1.50	1.28	1.10	0.95	0.82	0.72	0.63	0.56	0.50
	Reaction	14.11	12.83	11.76	10.85	10.08	9.41	8.82	8.30	7.84	7.43	7.06	6.72	6.41	6.14	5.88	5.64	5.43
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	2.14	1.78	1.50	1.28	1.10	0.95	0.82	0.72	0.63	0.56	0.50
	Moment	8.99	7.43	6.25	5.32	4.59	4.00	3.51	3.11	2.78	2.49	2.25	2.04	1.86	1.70	1.56	1.44	1.33
	Inertia	13.54	10.17	7.83	6.16	4.93	4.01	3.30	2.76	2.32	1.97	1.69	1.46	1.27	1.11	0.98	0.87	0.77
	Reaction	25.61	23.28	21.34	19.70	18.29	17.07	16.01	15.06	14.23	13.48	12.80	12.19	11.64	11.13	10.67	10.24	9.85
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	6.25	5.32	4.59	4.00	3.30	2.76	2.32	1.97	1.69	1.46	1.27	1.11	0.98	0.87	