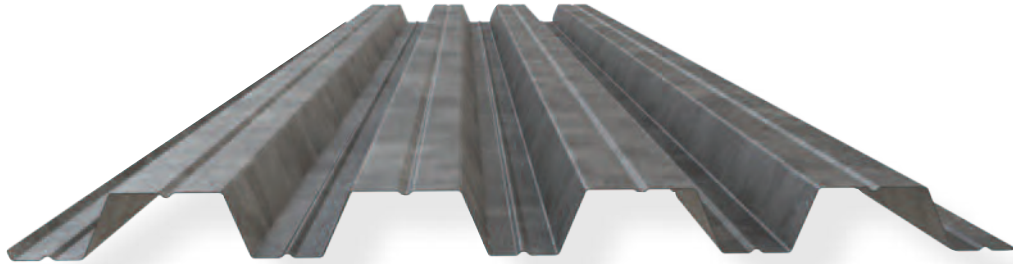
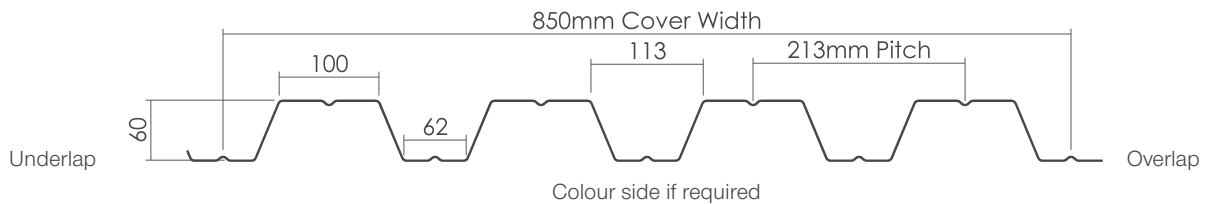


# SR60+

## Technical Drawing



### Profile



### Profile Properties

- Cover Width 850mm
- Profile Depth 60mm
- Pitch 213mm
- Crown Width 100mm Radius
- Valley Width 62mm Radius
- Thickness available 0.7mm / 0.9mm / 1.2mm

### Coating Options

- **Galvanised** Hot dip galvanised with a minimum coating mass of 275g/m<sup>2</sup> (S350GD-Z275)
- **Polyester White** Hot dip galvanised with a minimum coating mass of 150g/m<sup>2</sup> (S350GD-Z150) with 25 micron bright white polyester to the interior surface

### Options

- S350 Grade Steel in accordance with BS EN 10143:2016 and BS EN 10346:2015
- 0.7mm, 0.9mm and 1.2mm gauge options available to suit common spacing of Purlins
- Maximum sheet lengths up to 12m

### Fire Classification

- Surface spread of flame – Class 1 – BS476: Part 7
- Surface rating – Class 0

## Standard Fixing Detail

#### Sheet Ends

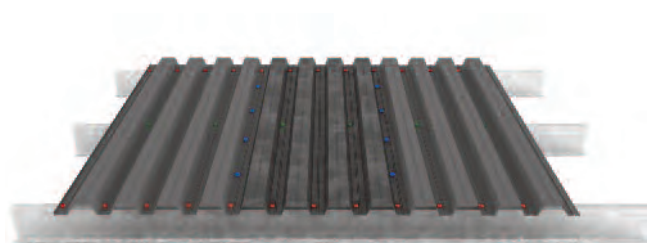
- Every trough - Main Fix
- End Lap 150mm

#### Intermediate Fix

- Every trough - Main Fix

#### Side Lap

- Side Lap - 450mm Centres
- Side Supports – 450mm Centres



# SR60+




## Section Properties

Nominal Thickness	Available Grades	Depth of Profile	Weight of Profile		Area of Steel	Top flange in compression		Bottom flange in compression	
						Moment of Capacity	Moment of Inertia	Moment of Capacity	Moment of Inertia
mm	N/mm <sup>2</sup>	mm	kg/m <sup>2</sup>	kN/m <sup>2</sup>	mm <sup>2</sup> /m	kNm/m	cm <sup>4</sup> /m	kNm/m	cm <sup>4</sup> /m
0.7	S350	60	8.02	0.08	917	4.15	58.2	4.93	52.2
0.9	S350	60	10.33	0.10	1265	7.41	65.5	7.56	73.4
1.2	S350	60	13.80	0.14	1706	11.01	107.3	10.97	106.8



Section properties are calculated in accordance with Eurocode 3

## Load Tables

### Positive Imposed Load (Gravity) kN/m<sup>2</sup>

Span Type	Gauge (mm)	Span (m)																
		2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2
Single Span 	0.7	4.12	3.75	3.40	2.67	2.14	1.74	1.43	1.19	1.01	0.85	0.73	0.63	0.55	0.48	0.42	0.38	0.33
	0.9	6.81	5.72	4.01	3.15	2.53	2.05	1.69	1.41	1.19	1.01	0.87	0.75	0.65	0.57	0.50	0.44	0.39
	1.2	10.82	8.13	6.26	4.92	3.94	3.20	2.64	2.20	1.85	1.58	1.35	1.17	1.02	0.89	0.78	0.69	0.62
Double Span 	0.7	4.25	3.67	3.21	2.83	2.51	2.25	2.03	1.83	1.67	1.44	1.23	1.06	0.92	0.81	0.71	0.63	0.56
	0.9	6.56	5.67	4.94	4.35	3.87	3.42	2.82	2.35	1.98	1.68	1.44	1.25	1.08	0.95	0.84	0.74	0.66
	1.2	10.33	8.89	7.73	6.79	6.02	5.37	4.82	4.10	3.45	2.93	2.52	2.17	1.89	1.65	1.46	1.29	1.14
Multi Span 	0.7	5.06	4.39	3.84	3.39	3.02	2.71	2.40	2.00	1.69	1.44	1.23	1.06	0.92	0.81	0.71	0.63	0.56
	0.9	7.84	6.78	5.93	5.23	4.21	3.42	2.82	2.35	1.98	1.68	1.44	1.25	1.08	0.95	0.84	0.74	0.66
	1.2	12.37	10.67	9.30	8.19	7.26	5.96	4.91	4.10	3.45	2.93	2.52	2.17	1.89	1.65	1.46	1.29	1.14

### Negative Imposed Load (Uplift) kN/m<sup>2</sup>

Span Type	Gauge (mm)	Span (m)																
		2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2
Single Span 	0.7	4.12	3.75	3.43	3.17	2.56	2.08	1.71	1.43	1.20	1.02	0.88	0.76	0.66	0.58	0.51	0.45	0.40
	0.9	6.81	6.16	4.74	3.73	2.99	2.46	2.00	1.67	1.41	1.19	1.02	0.88	0.77	0.67	0.59	0.52	0.47
	1.2	11.98	10.78	8.31	6.53	5.23	4.25	3.50	2.92	2.46	2.09	1.79	1.55	1.35	1.18	1.04	0.92	0.82
Double Span 	0.7	3.87	3.33	2.90	2.55	2.26	2.02	1.81	1.64	1.49	1.35	1.24	1.14	1.05	0.96	0.85	0.75	0.67
	0.9	5.61	4.81	4.17	3.66	3.23	2.88	2.58	2.82	2.11	1.92	1.71	1.47	1.28	1.12	0.99	0.87	0.78
	1.2	10.35	8.90	7.75	6.81	6.03	5.38	4.83	4.36	3.96	3.49	2.99	2.58	2.25	1.97	1.73	1.53	1.36
Multi Span 	0.7	4.63	4.00	3.49	3.07	2.73	2.44	2.19	1.98	1.80	1.65	1.46	1.26	1.10	0.96	0.85	0.75	0.67
	0.9	6.74	5.80	5.04	4.42	3.91	3.49	3.13	2.78	2.34	1.99	1.71	1.47	1.28	1.12	0.99	0.87	0.78
	1.2	12.39	10.69	9.32	8.20	7.28	6.51	5.84	4.87	4.10	3.49	2.99	2.58	2.25	1.97	1.73	1.53	1.36

- Tables consider deflection limits of:  
**Positive load** (Gravity) Span /200  
**Negative loads** (Uplift) Span /90
- All loads within table consider a partial factor of 1.5
- Fixing checks for uplift must be considered separately
- Tables based on bearing width (purlin) of 60mm
- Figures shaded indicate where design is governed by deflection

