

Profile	Nominal Thickness mm	Steel Grade N/mm ²				Coatings and Options						Weight kg/m ²	Floor Deck Profiles						Roof Deck Profiles						Product Selector based on profile strengths (3 stars being the strongest)										
		S250	S320	S350	S450	Galv (Z275)	HD (ZM310)	Plastisol (PF)	Interior Liner	Perforated	Crushed Ends		Moment of Inertia cm ⁴ /m	Height of Neutral Axis mm	Area of Steel mm ² /m	Concrete Volume m ³ /m ²	Max. Single Span m (unpropped) ^[1]	Max. Double Span m (unpropped) ^[1]	Max. Recommended Cantilever m (unpropped) ^[2]	Weight kN/m ²	Top Flange in Compression Moment Capacity	Top Flange in Compression Moment of Inertia	Bottom Flange in Compression Moment Capacity	Bottom Flange in Compression Moment of Inertia	Max. Single span m ^[3]	Max. Double span m ^[3]	Max. Cantilever m ^[4]	Max. Recommended Sheet Length ^[5]	Span	Cost	Speed	Aesthetics	Load		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
R51 ^{BT}	0.80	-	-	✓	-	✓	✓	-	-	-	-	12.02	56.90	15.80	1464	-	2.1 - 2.5	2.1 - 2.9	0.45	-	-	-	-	-	-	-	-	10.0	★	★	★★	★★★	★★★		
	0.90	-	-	✓	✓	✓	✓	-	-	-	-	13.54	61.27	16.20	1657	(slab depth/1000) - 0.009	2.2 - 2.7	2.2 - 3.2	0.45	-	-	-	-	-	-	-	-	10.0	★	★	★★	★★★	★★★		
	1.00	-	-	✓	✓	✓	✓	-	-	-	-	15.01	68.73	16.50	1845	-	2.3 - 2.9	2.3 - 3.3	0.45	-	-	-	-	-	-	-	-	9.0	★	★	★★	★★★	★★★		
	1.20	-	-	✓	✓	✓	✓	-	-	-	-	17.98	85.60	17.00	2223	-	2.4 - 3.2	2.4 - 3.7	0.45	-	-	-	-	-	-	-	-	7.5	★	★	★★	★★★	★★★		
TR60 ^{BT}	0.90	-	-	✓	✓	✓	✓	-	-	-	-	10.03	93.50	33.60	1216	(slab depth/1000) - 0.034	2.1 - 3.1	2.1 - 3.5	0.45	-	-	-	-	-	-	-	-	9.5	★★	★★★	★★	★★	★★		
	1.00	-	-	✓	✓	✓	✓	-	-	-	-	11.12	102.10	33.60	1355	-	2.2 - 3.4	2.2 - 3.8	0.45	-	-	-	-	-	-	-	-	8.5	★★	★★★	★★	★★	★★		
	1.20	-	-	✓	✓	✓	✓	-	-	-	-	13.33	119.80	33.70	1633	-	2.3 - 3.7	2.3 - 4.2	0.45	-	-	-	-	-	-	-	-	8.0	★★	★★★	★★	★★	★★		
TR80 ^{BT}	0.90	-	-	✓	✓	✓	✓	✓	-	-	✓	11.33	172.90	42.30	1385	(slab depth/1000) - 0.044	2.2 - 3.9	2.2 - 4.3	0.45	-	-	-	-	-	-	-	-	11.0	★★★	★★	★	★	★		
	1.00	-	-	✓	✓	✓	✓	-	-	-	✓	12.54	192.30	42.40	1539	-	2.2 - 4.2	2.2 - 4.5	0.45	-	-	-	-	-	-	-	-	10.5	★★★	★★	★	★	★		
	1.20	-	-	✓	✓	✓	✓	✓	-	-	✓	15.06	231.10	42.50	1860	-	2.3 - 4.4	2.3 - 5.2	0.45	-	-	-	-	-	-	-	-	9.5	★★★	★★	★	★	★		
TR220 ^{BT}	1.13	-	-	✓	-	✓	-	-	✓	-	-	14.80	1374.20	159.90	1681.00	(slab depth/1000) - 0.183	5.6 - 5.8	NA	NA	-	-	-	-	-	-	-	-	6.50	★★★	★	★	★★	★★		
	1.25	-	-	✓	-	✓	-	-	✓	-	-	16.40	1525.50	159.90	1866.00	-	4.8 - 6.0	NA	NA	-	-	-	-	-	-	-	-	6.00	★★★	★	★	★★	★★		
SR30 ^{BT}	0.70	-	-	✓	-	✓	✓	-	✓	-	-	6.66	-	-	-	-	-	-	0.070	1.45	6.20	1.54	9.50	1.5	1.8	0.30	12.0	★	★★★	★★★	★★★	★			
	0.90	-	-	✓	-	✓	✓	-	✓	-	-	8.57	-	-	-	-	-	-	0.080	2.19	8.80	2.18	13.20	1.7	2.0	0.35	10.0	★	★★★	★★★	★★★	★			
SR35 ^{BT}	0.70	-	-	✓	-	✓	✓	-	✓	-	-	7.40	-	-	-	-	-	-	0.070	3.42	20.10	2.95	19.80	2.2	2.6	0.40	12.0	★	★★★	★★★	★★★	★			
	0.90	-	-	✓	-	✓	✓	-	✓	-	-	9.52	-	-	-	-	-	-	0.090	4.26	23.50	4.16	22.40	2.3	2.8	0.45	10.0	★	★★★	★★★	★★★	★			
	1.20	-	-	✓	-	✓	✓	-	✓	-	-	12.72	-	-	-	-	-	-	0.120	7.45	35.70	6.60	35.70	2.7	3.2	0.55	8.0	★	★★★	★★★	★★★	★			
SR60 ^{BT}	0.70	-	-	✓	-	✓	✓	-	✓	✓	-	7.83	-	-	-	-	-	-	0.080	4.15	58.20	4.93	52.20	3.2	3.7	0.70	12.0	★★	★★★	★★★	★★★	★★			
	0.90	-	-	✓	-	✓	✓	-	✓	✓	-	10.08	-	-	-	-	-	-	0.100	5.61	68.80	7.40	61.00	3.3	3.9	0.80	10.0	★★	★★★	★★★	★★★	★★			
	1.20	-	-	✓	-	✓	✓	-	✓	✓	-	13.46	-	-	-	-	-	-	0.130	11.01	107.30	10.97	106.80	3.9	4.6	0.95	8.0	★★	★★★	★★★	★★★	★★			
SR100 ^{BT}	0.70	-	-	✓	-	✓	✓	-	✓	✓	-	9.24	-	-	-	-	-	-	0.090	7.46	179.06	8.41	154.04	4.5	4.5	1.00	12.0	★★	★★	★★	★★	★★			
	0.90	-	-	✓	-	✓	✓	-	✓	✓	-	11.91	-	-	-	-	-	-	0.120	11.62	211.30	10.74	196.21	4.8	5.7	1.13	9.0	★★	★★	★★	★★	★★			
	1.20	-	-	✓	-	✓	✓	-	✓	✓	-	15.90	-	-	-	-	-	-	0.160	21.77	349.87	17.73	351.59	5.7	6.8	1.25	7.5	★★	★★	★★	★★	★★			
SR135 ^{BT}	0.75	-	✓	-	-	✓	-	-	✓	✓	-	9.50	-	-	-	-	-	-	0.095	9.69	278.22	8.30	276.33	5.2	5.6	1.15	10.0	★★	★★	★★	★★	★★			
	0.88	-	✓	-	-	✓	-	-	✓	✓	-	11.14	-	-	-	-	-	-	0.112	12.29	336.41	10.90	335.62	5.4	6.2	1.21	9.0	★★	★★	★★	★★	★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	12.66	-	-	-	-	-	-	0.127	14.81	386.57	13.43	386.57	5.8	6.8	1.28	8.0	★★	★★	★★	★★	★★			
	1.25	-	✓	-	-	✓	-	-	✓	✓	-	15.83	-	-	-	-	-	-	0.158	20.28	487.04	18.55	487.04	6.2	7.4	1.40	6.5	★★	★★	★★	★★	★★			
	1.50	-	✓	-	-	✓	-	-	✓	✓	-	18.99	-	-	-	-	-	-	0.190	26.18	587.43	22.54	587.43	6.6	7.4	1.50	5.5	★★	★★	★★	★★	★★			
SR153 ^{BT}	0.75	-	✓	-	-	✓	-	-	✓	✓	-	10.51	-	-	-	-	-	-	0.103	12.86	358.66	10.84	366.39	5.6	6.6	1.30	10.0	★★★	★	★★	★★	★★★			
	0.88	-	✓	-	-	✓	-	-	✓	✓	-	12.34	-	-	-	-	-	-	0.121	16.17	436.35	13.84	443.82	6.0	7.4	1.34	9.0	★★★	★	★★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	14.02	-	-	-	-	-	-	0.137	19.26	507.07	17.03	507.11	6.4	8.2	1.38	8.0	★★★	★	★★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	17.52	-	-	-	-	-	-	0.172	25.80	638.83	23.02	638.88	7.0	8.2	1.45	6.5	★★★	★	★★	★★	★★★			
	1.25	-	✓	-	-	✓	-	-	✓	✓	-	21.03	-	-	-	-	-	-	0.206	32.21	770.46	27.76	770.53	7.4	8.2	1.50	5.5	★★★	★	★★	★★	★★★			
SR158 ^{BT}	0.75	-	✓	-	-	✓	-	-	✓	✓	-	11.78	-	-	-	-	-	-	0.116	14.80	426.95	12.42	436.44	6.0	7.2	1.25	10.0	★★★	★	★	★★	★★★			
	0.88	-	✓	-	-	✓	-	-	✓	✓	-	13.82	-	-	-	-	-	-	0.136	18.60	519.38	15.89	527.79	6.4	8.0	1.38	9.0	★★★	★	★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	15.70	-	-	-	-	-	-	0.154	22.24	603.02	19.55	603.01	6.8	8.8	1.40	8.0	★★★	★	★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	19.63	-	-	-	-	-	-	0.193	29.78	759.61	26.49	759.60	7.4	8.8	1.55	6.5	★★★	★	★	★★	★★★			
	1.25	-	✓	-	-	✓	-	-	✓	✓	-	23.55	-	-	-	-	-	-	0.231	37.14	916.01	31.94	916.01	7.8	8.8	1.70	5.5	★★★	★	★	★★	★★★			
SR200 ^{BT}	0.75	-	✓	-	-	✓	-	-	✓	✓	-	11.78	-	-	-	-	-	-	0.116	18.49	710.00	18.35	799.00	5.6	5.8	1.45	10.0	★★★	★	★	★★	★★★			
	0.88	-	✓	-	-	✓	-	-	✓	✓	-	13.82	-	-	-	-	-	-	0.136	23.25	853.00	22.58	951.00	7.8	8.2	1.55	9.0	★★★	★	★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	15.70	-	-	-	-	-	-	0.154	27.58	987.00	26.42	1087.00	8.0	8.8	1.65	8.0	★★★	★	★	★★	★★★			
	1.00	-	✓	-	-	✓	-	-	✓	✓	-	19.63	-	-	-	-	-	-	0.193	36.93	1275.00	34.26	1369.00	8.6	8.8	1.85	6.5	★★★	★	★	★★	★★★			
	1.25	-	✓	-	-	✓	-	-	✓	✓	-	23.55	-	-	-	-	-	-	0.231	46.74	1571.00	42.00	1651.00	8.8	8.8	2.00	5.5	★★★	★	★	★★	★★★			

TABLE KEY [1] Based on slab depths of 200-130mm un-propped. [2] Cantilever values indicated for floor deck are governed by Health and Safety during installation. [3] The maximum span values are based on the following design criteria: Imposed Load of 1.5kN/m² or Line Load of 2kN/m, Partial Load. Factor of 1.5 (considering all load as 'Variable'), Imposed Load Deflection Limit of Span/200, Wind Uplift of 1.5kN/m², subject to appropriate fixings, Wind

Uplift Deflection Limit of Span/150. [4] The maximum cantilever figures indicated in this document are based on a point load of 0.9kN positioned at the end of the cantilever. [5] Recommended maximum sheet lengths are limited due to site Health and Safety manual handling guidelines, additional lifting plant recommended for longer sheet lengths.