

**COLORED
ROOFING**

**BENDED
ACCESSORIES**

MINISHETS

CLADDING

STEELDECK

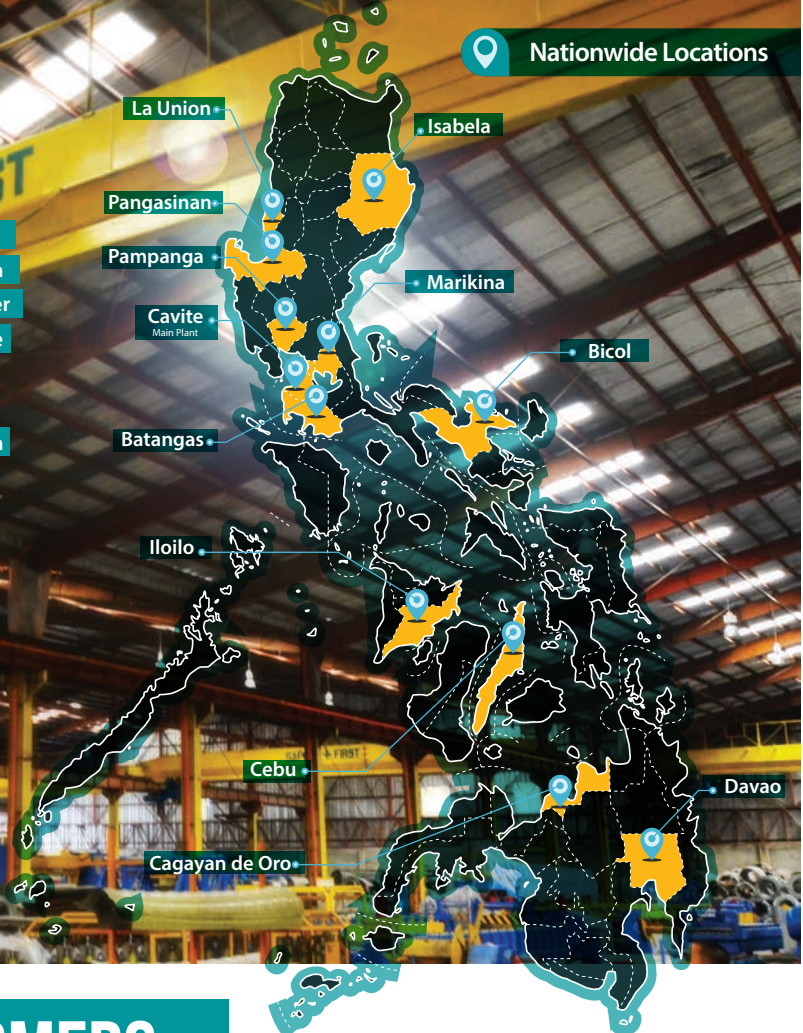
WHO WE ARE

United Steel Technology (Steeltech) Int'l Corporation was established in 2009 to provide quality steel building materials to the country. Being an affiliate of Sonic Steel Industries Inc, the countries' leading manufacturer of Galvanized steel sheets and Somico Steel Mill Corporation, one of the biggest steel mill in the country, this enables Steeltech to access technical and financial resources plus extensive manufacturing experience which helped catapult Steeltech in shaping the country with a reputation for quality, expertise and innovation to be proud of.

More than just business, we're redefining our industry.

Steeltech is a vertically integrated company - with its own state of the art continuous Color Coating line (CCL) which ensures that Steeltech can control all levels of its product's quality thus completely satisfying the expectations of the most discerning customer.

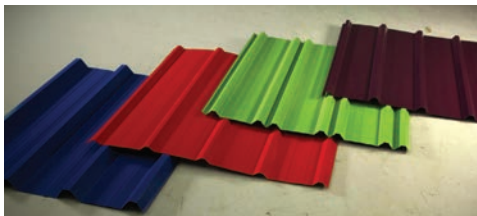
Steeltech's extensive product portfolio caters to all types of requirement from residential, commercial to industrial and is specifically designed to suit the ever-changing weather condition of our country.



WE'RE NOT JUST ROLLFORMERS, WE ARE MANUFACTURERS.

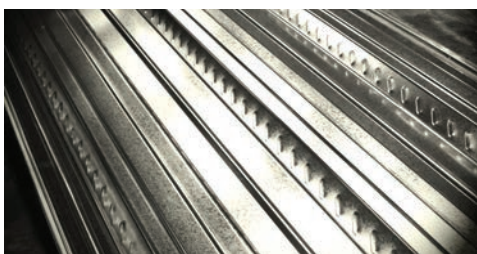
210,000 TONS

Steeltech's annual production capacity as a Roofing Manufacturer.



90,000 TONS

Steeltech's annual production capacity as a Steel Deck Manufacturer.



100,000 MT

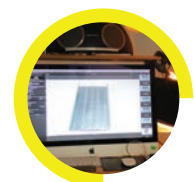
Annual capacity of a state of the art continuous color coating line (CCL), the fastest production line capable of running at 80 mpm, more than twice the capacity of any color coating line in the Philippines.



Manufacturing Strength & National Network
Steeltech has a national network of manufacturing facilities to ensure its products are readily available at the earliest possible time, with quality guaranteed.



Uncompromised Quality
Steeltech conducts series of rigorous testing on raw materials and finished goods to ensure compliance to quality standards prior delivery to customers.



Product Assistance & Technical Support
Steeltech has the extensive building industry experience necessary to give customers assistance in fulfilling their every building needs.

WE ARE WHAT WE DO BEST

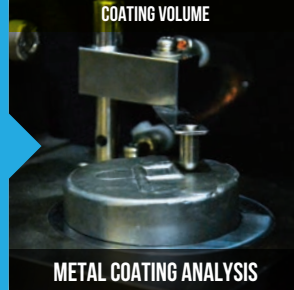


Superior Quality

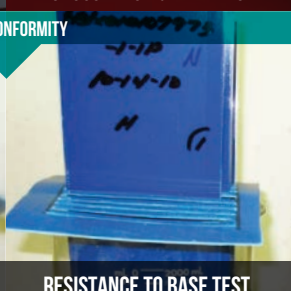
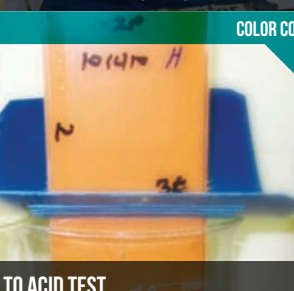
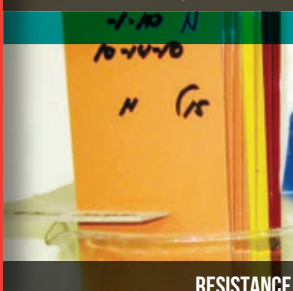
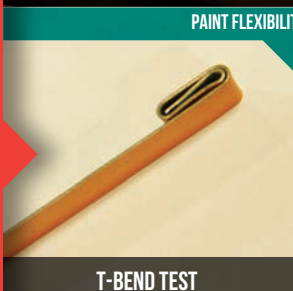
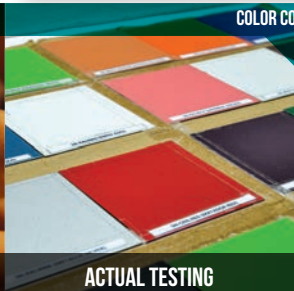
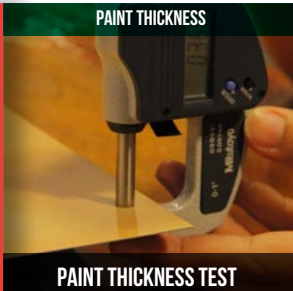
As a commitment to our customers in providing quality products, Steeltech goes Back to Basics. We only use the best raw materials available, operate state of the art manufacturing equipment and conduct rigorous quality testing in each and every step of the production process.

By doing this, we are most confident that our customers will get the most from their investment and enjoy Steeltech products for generations to come.

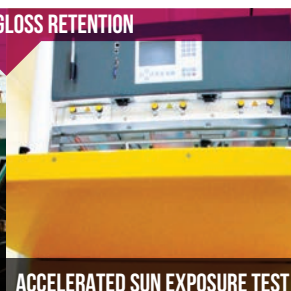
BASE METAL THICKNESS



PAINT PERFORMANCE

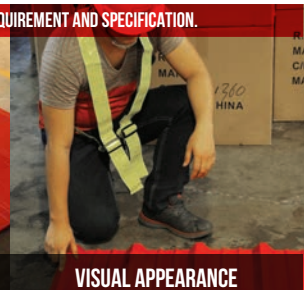


PAINT RELIABILITY PERFORMANCE

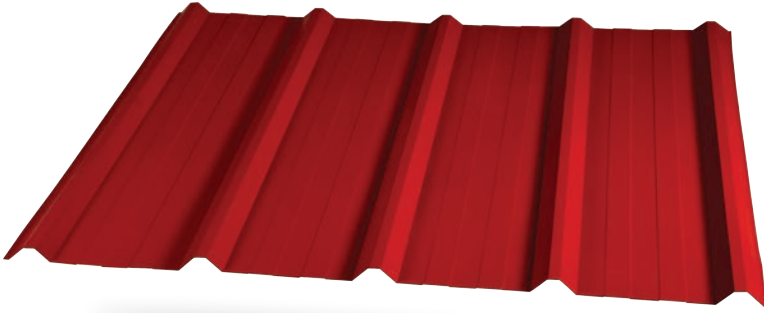


QUALITY INSPECTION BY CERTIFIED QA INSPECTOR AT ROLL FORMING PROCESS TO ENSURE PRODUCTS MEET CUSTOMERS' REQUIREMENT AND SPECIFICATION.

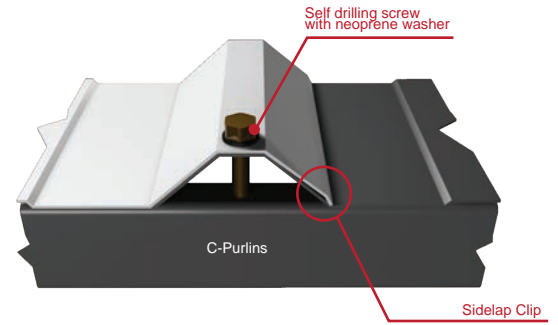
ROLL FORMING QUALITY CHECK



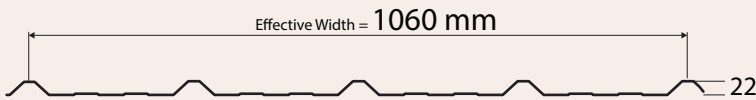
Rib22



installation visual

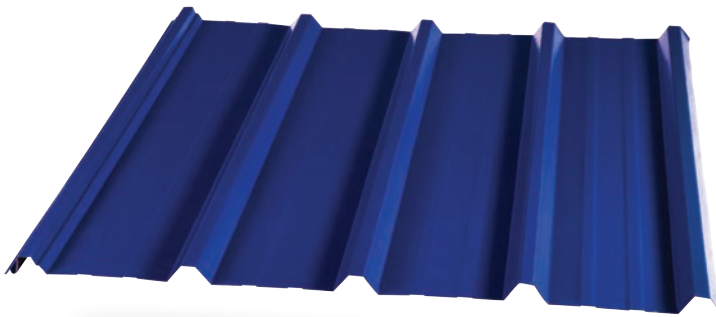


Dimensions & Section Properties

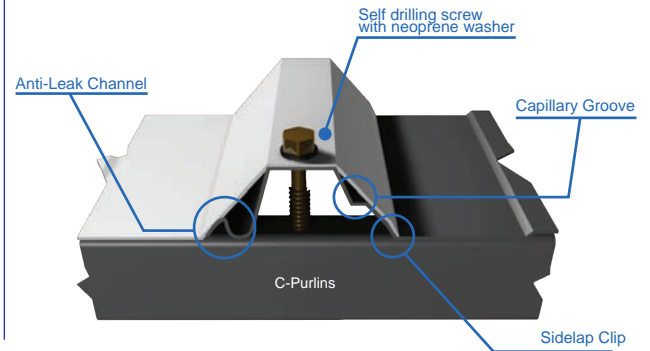


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.30	270.53	19.65	14049.50	803.35	3163.28	17.49	4.44
0.40	397.57	28.88	20551.74	1176.79	4593.89	17.46	4.47
0.50	515.19	37.43	26508.06	1520.32	5887.91	17.44	4.50
0.60	632.82	45.97	32417.05	1862.25	7155.24	17.41	4.53

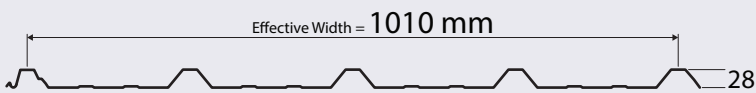
V28



installation visual

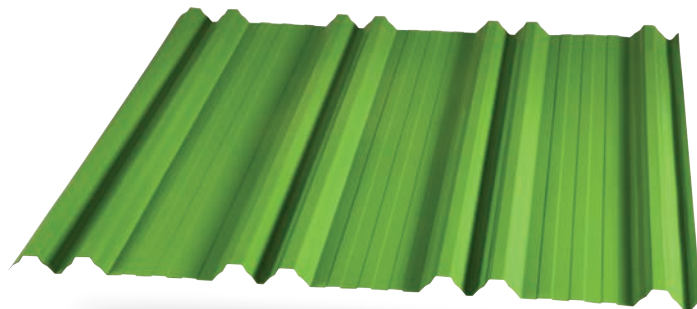


Dimensions & Section Properties

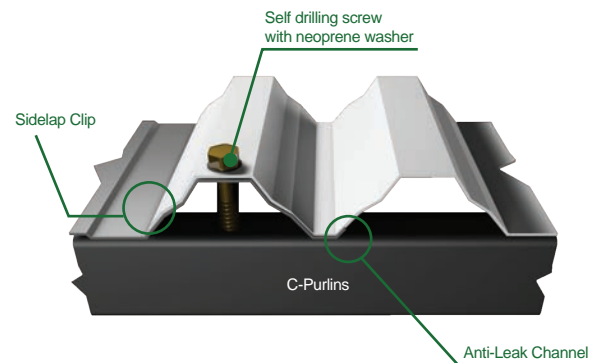


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.30	335.09	25.55	29051.50	1325.64	4823.54	21.92	6.02
0.40	475.88	36.28	41068.41	1876.36	6787.29	21.89	6.05
0.50	616.67	47.02	52986.74	2423.99	8716.79	21.86	6.08
0.60	757.46	57.75	64810.38	2968.68	10613.14	21.83	6.11

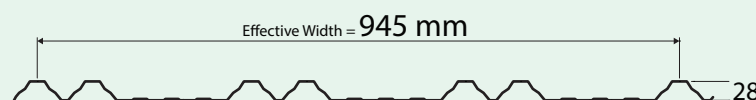
TwinRib28



installation visual

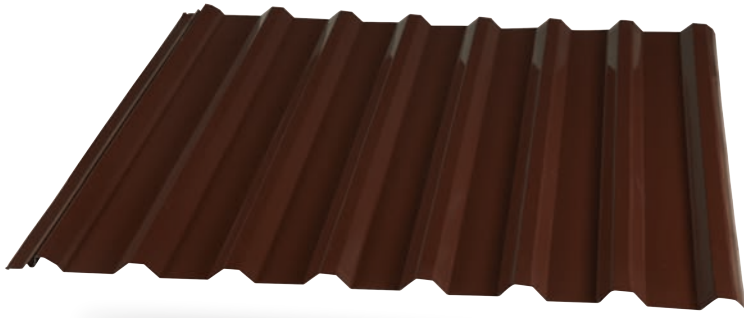


Dimensions & Section Properties

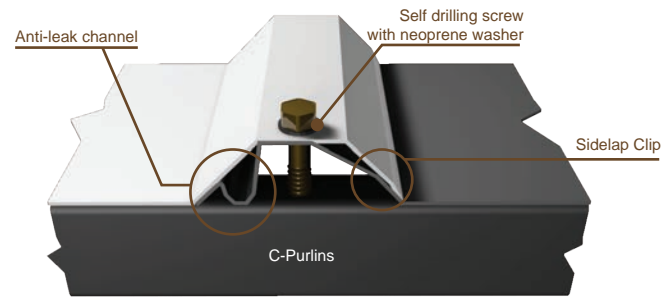


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.30	289.08	21.43	31300.31	1688.15	3330.96	18.54	9.40
0.40	410.54	30.43	44181.74	2388.14	4681.50	18.50	9.44
0.50	532.01	39.43	56922.92	3079.26	6022.25	18.49	9.45
0.60	653.47	48.43	69527.82	3764.10	7344.48	18.47	9.47

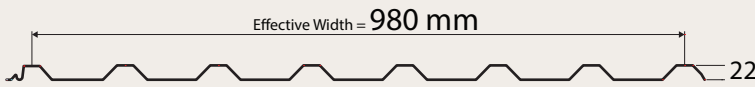
MultiRib



installation visual

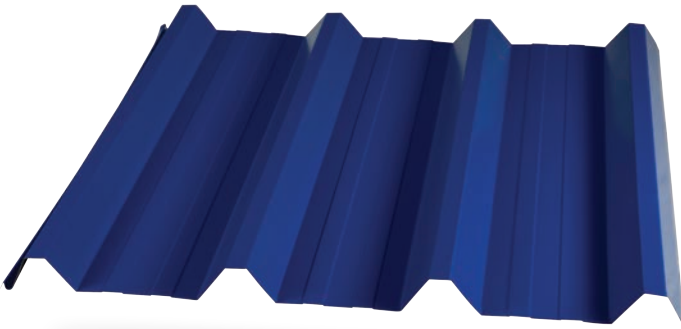


Dimensions & Section Properties

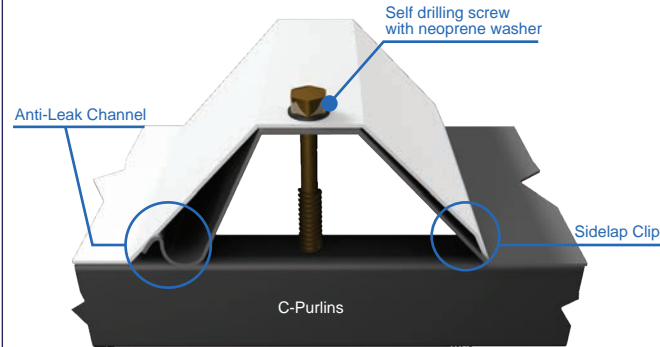


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.30	255.56	18.38	18887.57	1356.06	2360.43	13.93	8.00
0.40	375.56	27.00	27527.34	1977.74	3432.59	13.92	8.02
0.50	486.67	34.99	35378.56	2544.32	4404.11	13.90	8.03
0.60	597.78	42.98	43104.79	3103.01	5356.81	13.89	8.05

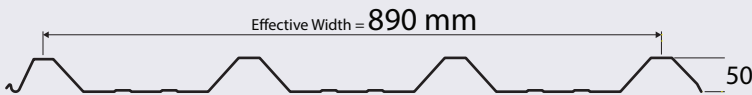
V50



installation visual



Dimensions & Section Properties

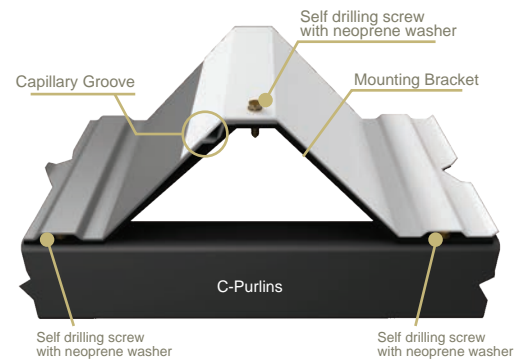


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	429.00	37.12	142661.11	4177.18	9042.06	34.15	15.78
0.50	559.00	48.37	185315.35	5428.89	11732.56	34.14	15.79
0.60	689.00	59.62	227715.20	6674.42	14401.04	34.12	15.81

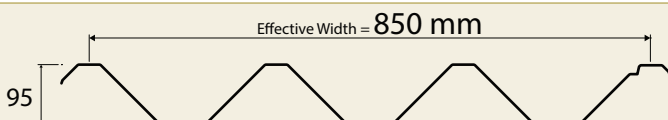
HiRib



installation visual

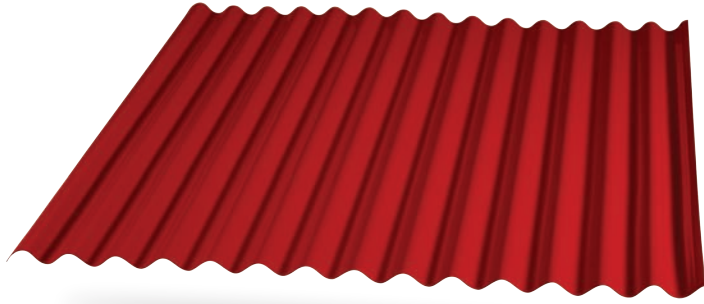


Dimensions & Section Properties

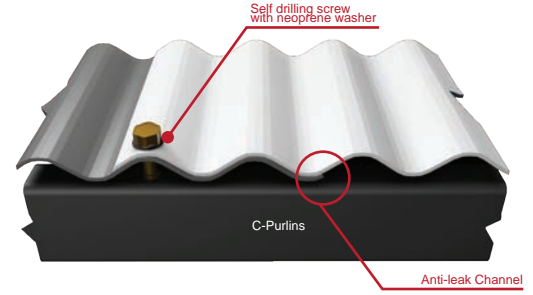


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	434.05	39.32	424728.02	8618.26	9304.49	49.28	45.65
0.50	565.58	51.24	551529.30	11191.68	12081.77	49.28	45.65
0.60	697.11	63.16	677462.85	13747.71	14839.80	49.28	45.65

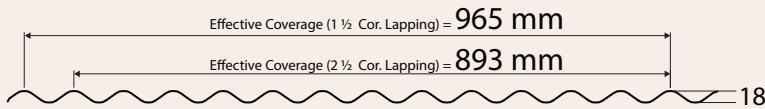
Corrugated



installation visual

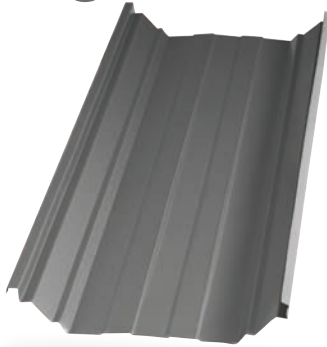


Dimensions & Section Properties

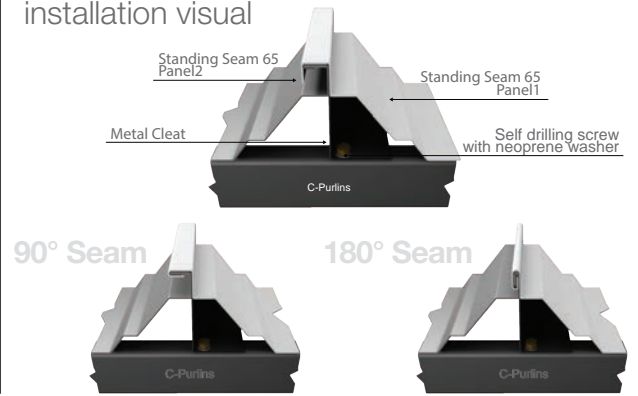


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	368.63	26.16	13804.89	1520.25	1560.00	9.08	8.85
0.50	489.27	34.73	18177.78	2007.14	2046.71	9.06	8.88
0.60	600.97	42.65	22143.86	2452.58	2485.51	9.03	8.91

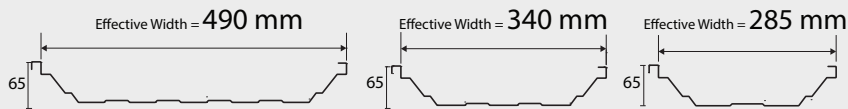
Standing Seam 65



installation visual



Dimensions & Section Properties

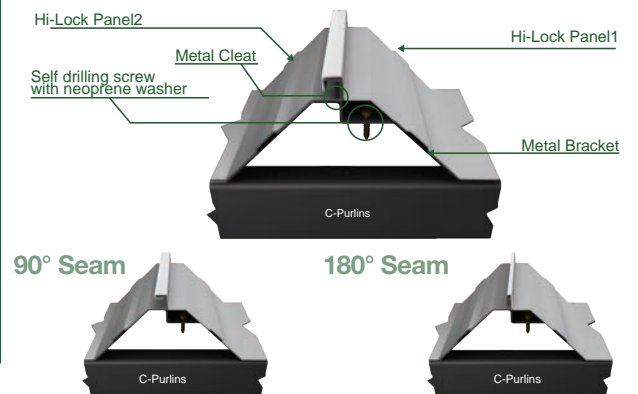


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	384.55	60.44	123897.08	2332.49	10488.97	53.12	11.81
0.50	501.08	78.75	160782.16	3027.62	13597.00	53.11	11.82
0.60	617.61	97.06	197364.71	3717.38	16672.81	53.09	11.84
0.40	405.71	91.89	156676.70	3171.07	10093.97	49.41	15.52
0.50	528.65	119.74	203377.15	4116.34	13101.86	49.41	15.52
0.60	651.59	147.58	249720.98	5054.44	16086.40	49.41	15.52
0.40	438.84	118.58	175990.28	3672.97	10343.24	47.92	17.02
0.50	571.82	154.51	228486.72	4768.18	13431.77	47.92	17.01
0.60	704.81	190.44	280600.64	5855.22	16499.30	47.92	17.01

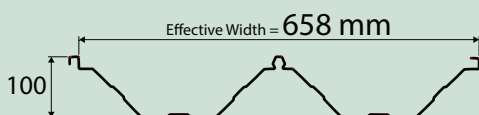
Hi-Lock



installation visual



Dimensions & Section Properties

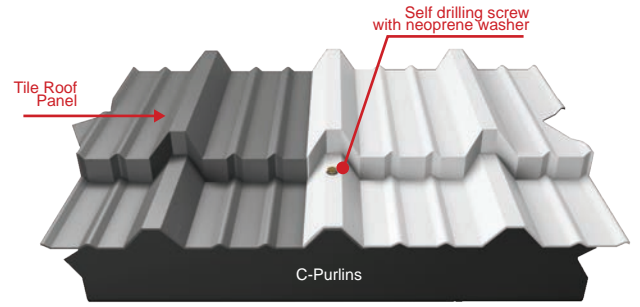


Thickness (mm)	Area (mm ²)	Weight (Pa)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	450.36	52.71	577093	8319	18885	69.37	30.56
0.50	488.59	57.18	600559	9597	16074	62.58	37.36
0.60	734.23	85.93	940568	13564	30741	69.34	30.60

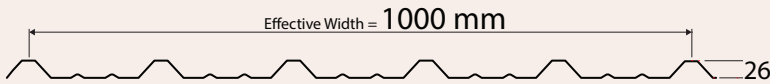
Valencia



installation visual



Dimensions & Section Properties

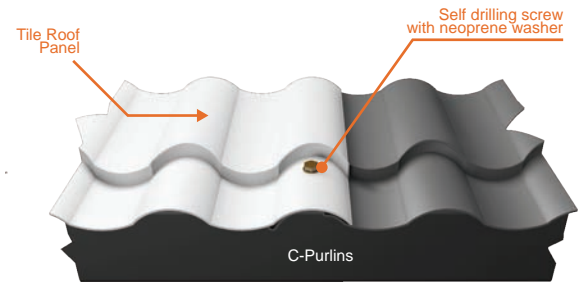


Thickness (mm)	Area (mm ²)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	431.05	148,313.96	4,314.76	9,283.32	34.37	15.98
0.50	554.21	190,694.32	5,539.64	11,898.76	34.42	16.03
0.60	677.37	233,078.36	6,761.07	14,498.17	34.47	16.08

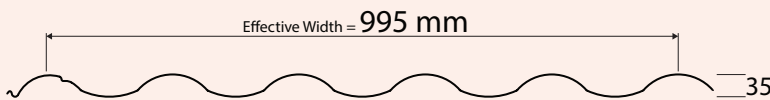
Andalucia



installation visual



Dimensions & Section Properties

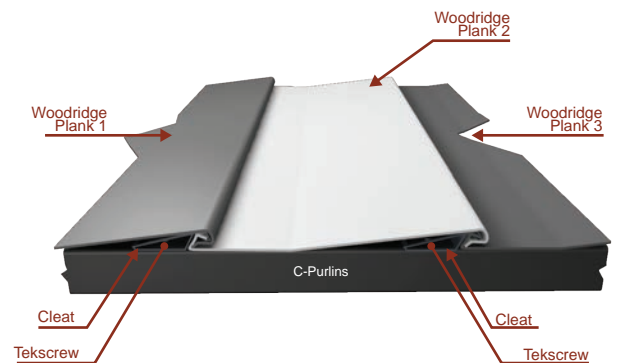


Thickness (mm)	Area (mm ²)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	439.334	97,012.346	4,935.131	4,914.431	19.658	19.740
0.50	549.167	121,269.521	6,153.471	6,127.725	19.708	19.790
0.60	659.001	145,529.482	7,365.784	7,335.044	19.758	19.840

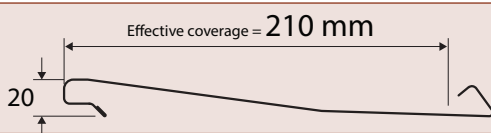
Woodridge Plank



installation visual



Dimensions & Section Properties



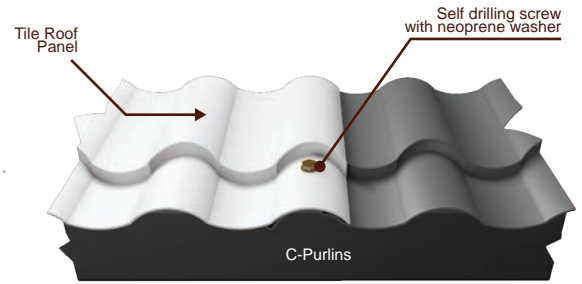
Thickness (mm)	Area (mm ²)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
0.40	106.23	4,153.67	345.08	511.55	12.04	8.12
0.50	136.58	5,341.45	441.92	653.92	12.09	8.17
0.60	166.09	6,529.95	538.03	794.55	12.14	8.22

Available in: Oxford Gray Colombian Coffee Tuscan Brown

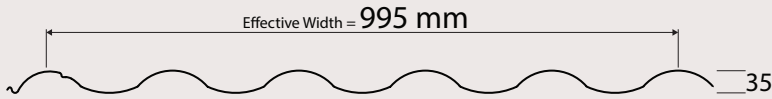
San Marco



installation visual



Dimensions & Section Properties

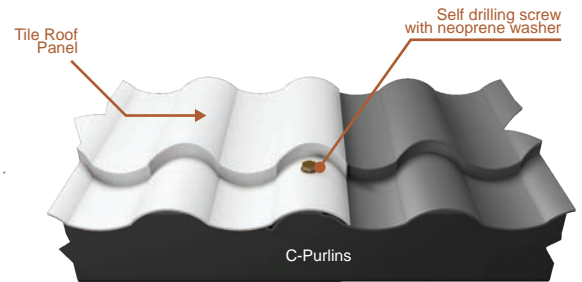


Thickness (mm)	Area (mm ²)	Moment of Inertia (mm ⁴)	S _{top} (mm ³)	S _{bot} (mm ³)	Y _{top} (mm)	Y _{bot} (mm)
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0.60	659.001	145,529.482	7,365.784	7,335.044	19.758	19.840

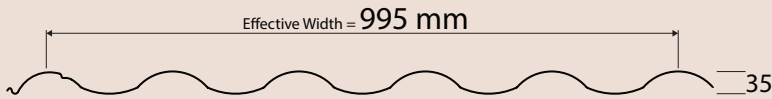
Firenze



installation visual

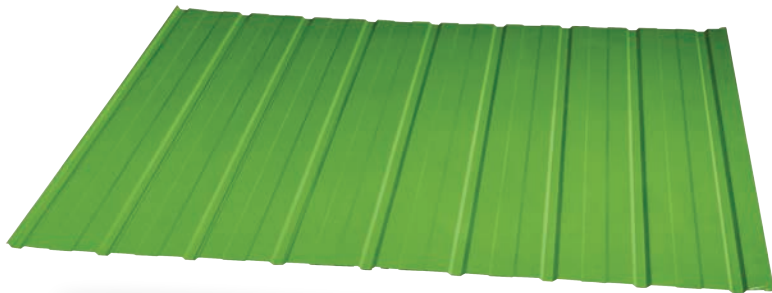


Dimensions & Section Properties

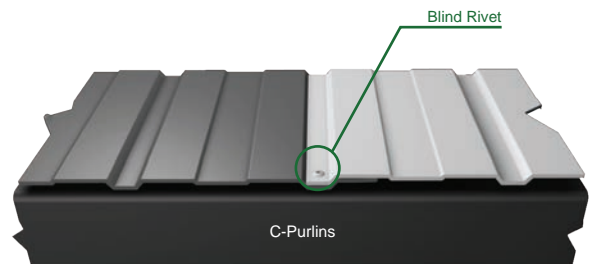


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0.50	549.167	121,269.521	6,153.471	6,127.725	19.708	19.790
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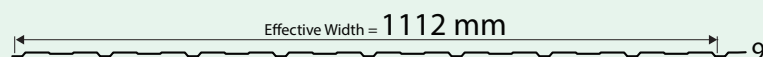
Cladding



installation visual



Dimensions & Section Properties



Soffit

Soffit Corr



Soffit Rib

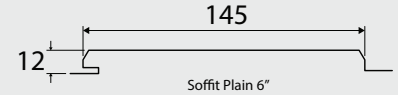
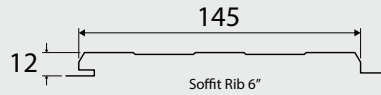
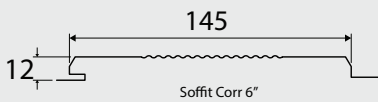
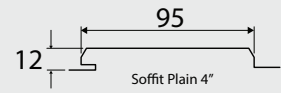
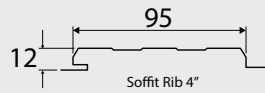
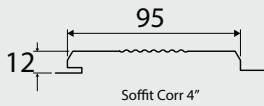


Soffit Plain



Dimensions & Section Properties

Available in:



Trucolor^{TC} Swatches



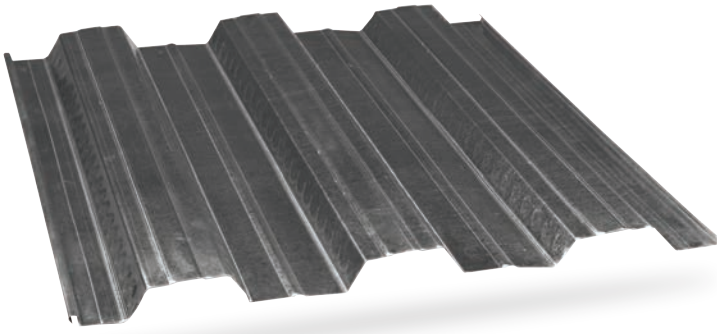
steeltech
Colored Roofing

Color Notes
TruColor^{TC} swatches shown here have been reproduced to represent actual product colors as accurately as possible. However, we recommend checking your chosen color against an actual sample of the product before purchasing.



The Best roof for Planet Earth
Your Lifetime Roofing System.™

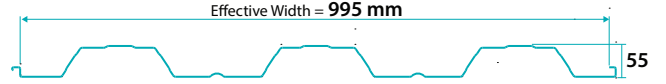
W995



W995 fy = 550 Mpa

Section Properties per meter width Effective Cover : 995 mm | Rib Height : 55 mm

Thickness (mm)	Area (mm ²)	Weight (Pa)	Ix (mm ⁴ x 10 ³)	S _{top} (mm ³ x 10 ³)	S _{bot} (mm ³ x 10 ³)	Y _{top} (mm)	Y _{bot} (mm)
0.80	853.09	65.70	429.86	15.75	17.45	27.28	24.64
1.00	1090.06	83.94	544.07	19.94	22.08	27.28	24.64
1.20	1327.03	102.19	656.06	24.05	26.62	27.27	24.65
1.30	1445.52	111.32	711.24	26.08	28.86	27.27	24.65
1.40	1564.00	120.44	765.87	28.09	31.07	27.27	24.65
1.60	1800.97	138.69	873.52	32.04	35.43	27.26	24.66



SECTION STRENGTH

Metal Deck Thickness (mm)	Slab Thickness (mm)	Ultimate Moment Capacity (KN-M)	Maximum Allowable Ultimate Load, (Kpa) / Long term deflection (mm)											
			1.50 m		2.0 m		2.5 m		3.0 m		3.5 m		4.0 m	
			Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm
0.80	100	26.05	90.16	0.68	49.64	1.28	30.88	2.15	20.69	3.38	14.55	5.04	10.56	7.24
	125	36.18	125.56	0.47	69.28	0.87	43.24	1.45	29.09	2.24	20.56	3.29	15.02	4.66
	150	46.73	165.73	0.35	93.04	0.66	59.39	1.10	41.11	1.71	30.09	2.53	22.94	3.61
1.00	100	33.29	115.88	0.78	64.09	1.46	40.13	2.42	27.11	3.74	19.26	5.50	14.16	7.80
	125	44.53	155.26	0.52	85.99	0.97	53.92	1.59	36.50	2.43	26.00	3.54	19.18	4.96
	150	57.72	201.53	0.39	111.75	0.71	70.19	1.17	47.62	1.77	34.01	2.55	25.17	3.54
1.20	100	40.53	141.59	0.87	78.55	1.62	49.37	2.67	33.52	4.07	23.96	5.92	17.76	8.30
	125	54.22	189.67	0.59	105.33	1.08	66.29	1.76	45.09	2.67	32.30	3.84	24.01	5.33
	150	67.91	237.75	0.42	132.11	0.78	83.22	1.26	56.66	1.89	40.65	2.71	30.25	3.74
1.30	100	44.14	154.44	0.92	85.78	1.70	53.99	2.78	36.73	4.23	26.32	6.12	19.56	8.54
	125	59.06	206.87	0.62	115.00	1.13	72.48	1.84	49.38	2.77	35.46	3.98	26.42	5.50
	150	73.97	259.29	0.45	144.23	0.81	90.97	1.32	62.04	1.98	44.60	2.82	33.27	3.87
1.40	100	47.76	167.30	0.96	93.00	1.77	58.61	2.88	39.93	4.37	28.67	6.30	21.36	8.77
	125	63.90	224.07	0.64	124.67	1.18	78.67	1.91	53.68	2.88	38.61	4.11	28.83	5.67
	150	80.03	281.44	0.47	156.95	0.85	99.32	1.38	68.02	2.07	49.15	2.95	36.90	4.05
1.60	100	55.00	193.01	1.03	107.46	1.90	67.86	3.08	46.35	4.64	33.38	6.65	24.96	9.19
	125	73.58	258.48	0.70	144.02	1.27	91.04	2.05	62.26	3.07	44.91	4.36	33.65	5.98
	150	92.16	323.94	0.51	180.58	0.92	114.23	1.48	78.18	2.20	56.45	3.11	42.34	4.24

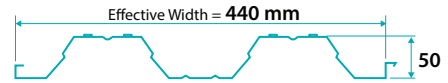
W440



W440 fy = 550 Mpa

Section Properties per meter width Effective Cover : 440 mm | Rib Height : 50 mm

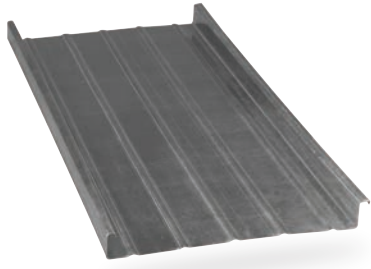
Thickness (mm)	Area (mm ²)	Weight (Pa)	Ix (mm ⁴ x 10 ³)	S _{top} (mm ³ x 10 ³)	S _{bot} (mm ³ x 10 ³)	Y _{top} (mm)	Y _{bot} (mm)
0.80	873.93	67.30	358.46	14.65	14.08	24.47	25.45
1.00	1116.69	85.99	453.06	18.52	17.80	24.47	25.45
1.20	1359.44	104.69	545.56	22.29	21.44	24.47	25.45
1.30	1480.82	114.04	591.03	24.15	23.22	24.47	25.45
1.40	1602.20	123.38	635.98	25.99	24.99	24.47	25.45
1.60	1844.96	142.08	724.37	29.60	28.47	24.47	25.45



SECTION STRENGTH

Metal Deck Thickness (mm)	Slab Thickness (mm)	Ultimate Moment Capacity (KN-M)	Maximum Allowable Ultimate Load, (Kpa) / Long term deflection (mm)											
			1.50 m		2.0 m		2.5 m		3.0 m		3.5 m		4.0 m	
			Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm
0.80	100	27.05	93.71	0.80	51.63	1.52	32.16	2.55	21.58	3.99	15.20	5.94	11.06	8.53
	125	37.35	129.74	0.55	71.63	1.02	44.74	1.70	30.13	2.62	21.32	3.84	15.61	5.44
	150	48.17	170.83	0.41	95.90	0.77	61.22	1.28	42.39	1.98	31.03	2.93	23.66	4.17
1.00	100	34.56	120.40	0.94	66.64	1.75	41.75	2.90	28.24	4.47	20.09	6.56	14.80	9.28
	125	46.08	160.77	0.62	89.08	1.15	55.90	1.89	37.88	2.88	27.01	4.18	19.96	5.85
	150	59.45	207.68	0.46	115.21	0.84	72.41	1.37	49.16	2.07	35.14	2.98	26.04	4.14
1.20	100	42.08	147.10	1.06	81.65	1.96	51.35	3.22	34.90	4.91	24.97	7.12	16.68	9.34
	125	56.10	196.37	0.70	109.10	1.29	68.71	2.11	46.76	3.19	33.53	4.58	24.95	6.34
	150	70.13	245.64	0.50	136.55	0.92	86.06	1.49	58.63	2.24	42.09	3.21	31.36	4.42
1.30	100	45.83	160.45	1.12	89.15	2.06	56.15	3.37	38.23	5.12	27.42	7.39	18.36	9.62
	125	61.11	214.17	0.74	119.11	1.36	75.11	2.21	51.21	3.33	36.79	4.76	27.44	6.57
	150	76.39	267.89	0.53	149.06	0.97	94.06	1.57	64.19	2.35	46.17	3.35	34.48	4.59
1.40	100	49.59	173.80	1.17	96.66	2.15	60.95	3.51	41.56	5.31	29.86	7.65	20.04	9.90
	125	66.12	231.97	0.78	129.12	1.42	81.51	2.30	55.65	3.46	40.06	4.94	29.94	6.79
	150	82.65	290.14	0.56	161.58	1.02	102.07	1.64	69.74	2.45	50.25	3.48	37.60	4.76
1.60	100	57.10	200.49	1.27	111.66	2.33	70.55	3.78	48.22	5.69	34.75	8.14	23.41	10.43
	125	76.14	267.57	0.85	149.13	1.54	94.31	2.49	64.54	3.72	46.58	5.27	34.93	7.21
	150	95.17	334.65	0.61	186.60	1.11	118.08	1.77	80.86	2.64	58.41	3.73	43.84	5.07

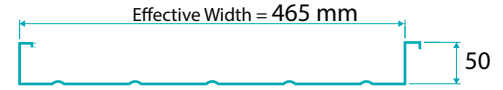
F465



F465 fy = 550 Mpa

Section Properties per meter width Effective Cover : 465 mm | Rib Height : 50 mm

Thickness (mm)	Area (mm ²)	Weight (Pa)	I _x (mm ⁴ x 10 ³)	S _{top} (mm ³ x 10 ³)	S _{bot} (mm ³ x 10 ³)	Y _{top} (mm)	Y _{bot} (mm)
0.80	980.13	75.48	200.38	4.65	29.36	43.09	6.83
1.00	1252.39	96.44	253.23	5.88	36.88	43.05	6.87
1.20	1524.65	117.41	306.18	7.12	44.34	43.01	6.91



SECTION STRENGTH

Metal Deck Thickness (mm)	Slab Thickness (mm)	Ultimate Moment Capacity (KN-M)	Maximum Allowable Ultimate Load, (Kpa) / Long term deflection (mm)											
			1.50 m		2.0 m		2.5 m		3.0 m		3.5 m		4.0 m	
			Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm
0.80	100	37.77	131.83	0.52	73.07	0.97	45.87	1.60	31.10	2.46	22.19	3.59	16.41	5.05
	125	49.90	174.35	0.38	96.73	0.70	60.80	1.15	41.28	1.75	29.51	2.52	21.88	3.52
	150	62.03	216.88	0.29	120.39	0.53	75.72	0.87	51.46	1.31	36.83	1.88	27.34	2.60
1.00	100	48.14	168.65	0.60	93.77	1.10	59.12	1.79	40.29	2.72	28.94	3.91	21.57	5.44
	125	61.10	214.15	0.42	119.10	0.77	75.11	1.26	51.22	1.89	36.81	2.71	27.45	3.74
	150	76.60	268.66	0.33	149.50	0.60	94.35	0.96	64.39	1.44	46.33	2.05	34.60	2.82
1.20	100	58.57	205.75	0.66	114.63	1.21	72.46	1.96	49.55	2.95	35.73	4.21	26.77	5.80
	125	74.30	261.07	0.47	145.49	0.87	91.99	1.41	62.93	2.11	45.41	3.02	34.03	4.15
	150	90.03	316.40	0.35	176.35	0.65	111.53	1.04	76.31	1.55	55.08	2.19	41.30	2.98

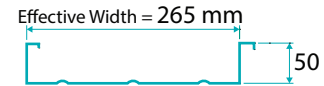
F265



F265 fy = 550 Mpa

Section Properties per meter width Effective Cover : 265 mm | Rib Height : 50 mm

Thickness (mm)	Area (mm ²)	Weight (Pa)	I _x (mm ⁴ x 10 ³)	S _{top} (mm ³ x 10 ³)	S _{bot} (mm ³ x 10 ³)	Y _{top} (mm)	Y _{bot} (mm)
0.80	1132.98	87.25	317.13	7.93	31.92	39.99	9.93
1.00	1447.70	111.49	402.52	10.07	40.40	39.96	9.96
1.20	1762.42	135.72	486.77	12.19	48.70	39.93	9.99



SECTION STRENGTH

Metal Deck Thickness (mm)	Slab Thickness (mm)	Ultimate Moment Capacity (KN-M)	Maximum Allowable Ultimate Load, (Kpa) / Long term deflection (mm)											
			1.50 m		2.0 m		2.5 m		3.0 m		3.5 m		4.0 m	
			Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm	Kpa	mm
0.80	100	44.43	155.50	0.64	86.38	1.18	54.39	1.93	37.01	2.94	26.53	4.26	19.73	5.94
	125	57.39	200.95	0.45	111.69	0.83	70.37	1.36	47.92	2.05	34.39	2.94	25.61	4.08
	150	71.41	250.21	0.34	139.13	0.63	87.71	1.02	59.79	1.54	42.95	2.19	32.02	3.02
1.00	100	56.77	199.33	0.74	111.02	1.35	70.15	2.19	47.95	3.29	34.56	4.71	25.87	6.50
	125	71.70	251.83	0.52	140.29	0.94	88.67	1.52	60.62	2.28	43.71	3.24	32.74	4.45
	150	87.71	308.14	0.39	171.70	0.71	108.55	1.14	74.25	1.70	53.57	2.41	40.14	3.28
1.20	100	69.10	243.14	0.82	135.66	1.49	85.91	2.41	58.88	3.60	42.59	5.11	32.01	7.00
	125	87.28	307.19	0.58	171.42	1.06	108.58	1.71	74.45	2.56	53.86	3.63	40.50	4.97
	150	105.46	371.24	0.45	207.19	0.81	131.26	1.30	90.01	1.92	65.14	2.70	49.00	3.66

Notations | Metal Deck Properties

Thickness	Thickness of metal deck in mm
Area	Cross sectional Area of steel deck express in mm ² .
Weight	Weight of decking materials expressed in Pascal (N/m ²), using density of steel as 7850 Kg/m ³ .
I _x	Moment of Inertia along major axis expressed in mm ⁴
S _{TOP}	Section Modulus, mm ³ , I _x /Y _{TOP} ,
S _{BOTTOM}	Section Modulus, mm ³ , I _x /Y _{BOTTOM} ,
Y _{TOP}	Distance from the extrme top fiber to the centroid of the section
Y _{BOTTOM}	Distance from the extrme bottom fiber to the centroid of the section
Slab thickness	Thickness of concrete on top of steel deck
Maximum Allowable Ultimate Load	The maximum factored load the composite section can support which is dependent on the length of support.

Design Notes

- Maximum allowable ultimate load are factored using 1.2DL + 1.6LL and computed based on simply supported condition $M = wl^2/8$.
- Long term deflections are computed based on maximum allowable superimposed load Steel strength $F_y = 550$ Mpa and Concrete Strength $F'_c = 20.7$ Mpa.
- Deflection is computed using $5wl^4/384EI$ and limited to $Span/360$.

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