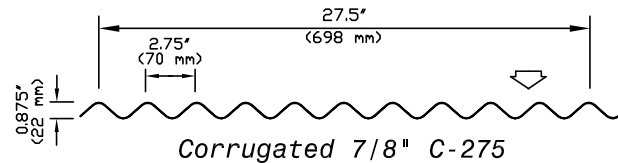
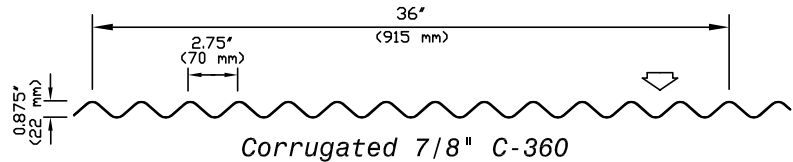
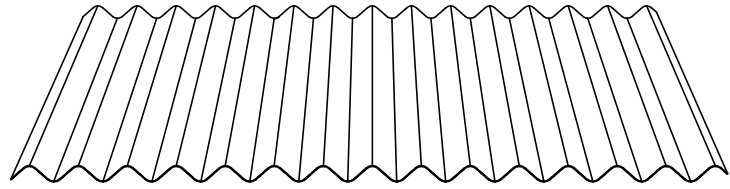


# Corrugated 7/8"

Installed vertically or horizontally, the «Corrugated 7/8"» (22mm) has resurfaced in the 1990's, on new architectural designs for commercial, institutional and industrial buildings.

Ideal's «Corrugated 7/8"» (12.2m) can be used as roofing or siding and is roll-formed in lengths of up to 40 feet (12.2m)

This panel is available in widths covering 36" (915mm) or 27 1/2" (698mm) to offer more versatility and more possibilities for colour and material choices.



## AVAILABLE MATERIALS

### Mill finish Galvanized Steel

- (ASTM-A653 SS grade 33, Z275 (G-90));
- gauges: 30 (.015"/0.38mm thick),
- 28 (.018"/0.45mm thick),
- 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick),
- 20 (.038"/0.96mm thick),
- 18 (.049"/1.25mm thick).

### Mill finish Galvalume Plus Steel

- (ASTM-A792 SS grade 33, AZ180);
- gauges: 30 (.015"/0.38mm thick),
- 28 (.018"/0.45mm thick),
- 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick).

### Pre-painted Galvanized Steel

- (ASTM-A653 SS grade 33, Z275 (G-90));
- Perspectra/Weather X Series: see colour chart \*\*;
- gauges: 30 (.015"/0.38mm thick),
- 28 (.018"/0.45mm thick),
- 26 (.021"/0.54mm thick),
- 24 (.026"/0.66mm thick),
- 22 (.032"/0.81mm thick).

Minimum Yield Stress	Fy = 33,000.00 P.S.I. (228 Mpa)
Maximum Working Stress Fb	= 20,625.00 P.S.I. (144 Mpa)
Young's Modulus (E)	= 29,500,000.00 P.S.I. (203 Mpa)

\*1): Other finishes and gauges are available, contact our office

Total Nominal Thickness (mm)	Core Nominal Thickness (mm)	Moment Resistance		Moment of Inertia (mm <sup>4</sup> x10 <sup>2</sup> )
		Mid-span (m-kg)	Support (m-kg)	
0.50	0.46	11.4	11.4	28.9
0.65	0.61	15.2	15.2	38.6
0.80	0.76	19.0	19.0	48.2

## (METRIC)

UNIFORMLY DISTRIBUTED LOADS (Kpa)							
Span Condition	Span (mm)	26 gauge (0.50mm)		24 gauge (0.65mm)		22 gauge (0.80mm)	
		B	D	B	D	B	D
S I N G L E	610	5.13	11.33	10.74	15.09	13.38	18.84
	762	4.10	5.81	6.83	7.71	8.59	9.67
	915	3.42	3.37	4.78	4.49	5.96	5.57
	1067	2.64	2.10	3.52	3.52	4.39	3.52
	1220	2.00	1.42	2.69	1.90	3.37	2.34
	1372	1.61	0.98	2.10	1.32	2.64	1.66
	1524	1.27	0.73	1.71	0.98	2.15	1.22
	1675	1.07	0.54	1.42	0.73	1.76	0.93
	1829	0.88	0.44	1.17	0.54	1.46	0.68
	1982	0.78	0.34	1.03	0.44	1.27	0.54
	2134	0.63	0.24	0.88	0.34	1.07	0.44
	2286	0.59	0.20	0.78	0.29	0.98	0.34
2439	0.49	0.20	0.68	0.24	0.83	0.29	
D O U B L E	610	5.13	27.14	10.74	36.18	13.38	45.26
	762	4.10	13.91	6.83	18.55	8.59	23.14
	915	3.42	8.06	4.78	10.74	5.96	13.43
	1067	2.64	5.08	3.52	6.74	4.39	8.45
	1220	2.00	3.37	2.69	4.50	3.37	5.66
	1372	1.61	2.39	2.10	3.17	2.64	3.95
	1524	1.27	1.76	1.71	2.29	2.15	2.88
	1675	1.07	1.32	1.42	1.76	1.76	2.20
	1829	0.88	1.03	1.17	1.32	1.47	1.66
	1982	0.78	0.78	1.03	1.07	1.27	1.32
	2134	0.63	0.63	0.88	0.83	1.07	1.07
	2286	0.59	0.54	0.78	0.68	0.98	0.88
2439	0.49	0.44	0.68	0.59	0.83	0.68	
T R I P L E	610	5.76	21.38	12.64	28.51	16.75	35.64
	762	4.59	10.94	8.59	14.60	10.74	18.26
	915	3.86	6.35	5.96	8.45	7.42	10.55
	1067	3.27	4.00	4.39	5.32	5.47	6.64
	1220	2.49	2.69	3.37	3.56	4.20	4.44
	1372	2.00	1.86	2.64	2.49	3.32	3.12
	1524	1.61	1.37	2.15	1.81	2.69	2.29
	1675	1.32	1.03	1.76	1.37	2.20	1.71
	1829	1.12	0.78	1.46	1.07	1.86	1.32
	1982	0.83	0.63	1.27	0.83	1.56	1.03
	2134	0.83	0.49	1.07	0.68	1.37	0.83
	2286	0.73	0.39	0.98	0.54	1.17	0.68
2439	0.63	0.34	0.83	0.44	1.03	0.54	

B = Load reduced for web crippling D = Load capacity based on deflection L/180