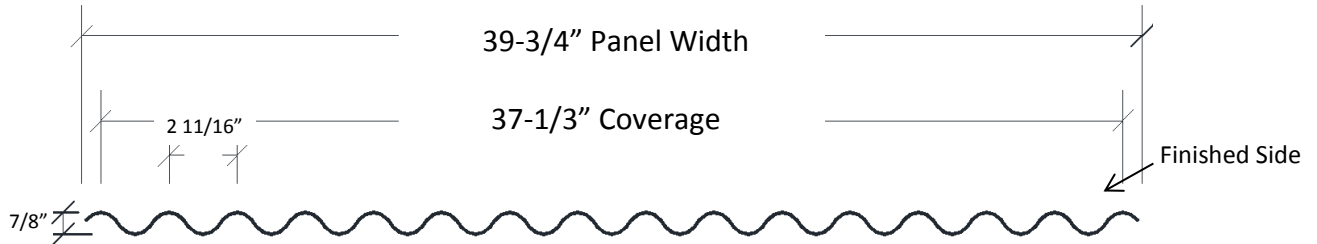


# CLASSIC 7/8" CORRUGATED

## TECHNICAL REFERENCE



## PRODUCT OVERVIEW

- Architectural or structural application
- Finishes: ProFinish 500 (PVDF) Colors and Acrylic Coated Galvalume®
- Available Gauges: 24 ga. Standard; 22 & 20 ga. optional
- Also available in Aluminum and Zinc
- Open framing & solid substrate
- Applied over solid substrate with proper underlayment
- Perforated panels for wind screens and liner panels

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Section Properties								Allowable Loads - PSF (3 or more equal spans)											
Panel Ga.	Width	Yield KSI	Weight PSF	1xx In <sup>4</sup> /ft.	Sxx In <sup>3</sup> /ft.	1xx In <sup>4</sup> /ft.	Sxx In <sup>3</sup> /ft.	Inward Load						Outward Load					
				Panel Top in Compression		Panel Bottom in Compression		2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
				24	29.33	50	1.33	0.0338	0.0801	0.0338	0.0801	156	143	131	113	99	80	156	143
22	29.33	50	1.73	0.0450	0.1029	0.0450	0.1029	574	373	262	173	116	59	574	373	262	173	116	59
20	29.33	33	2.11	0.0525	0.1234	0.0525	0.1234	454	295	207	153	117	69	454	295	207	153	117	69

1. Section properties and allowable loads are calculated per AISI 2001 including 2004 Supplement
2. "Ixx" and "Sxx" are effective section properties for deflection and bending
3. Allowable loads/spans are calculated considering bending, shear, combined bending & shear & deflection
4. Allowable loads/spans calculations do not include consideration for web crippling, fastener / connection limitations or uplift testing
5. Allowable loads/spans do not include a 1/2 stress increase
6. Allowable loads for 24 ga. on 16 ga. purlins are based on ASTM E-1592 test results

**AIR INFILTRATION:** Resistance to air infiltration: 0.007 cfm per lineal foot of joint when tested in accordance with ASTM E-283 at static test pressure differential of 12.00 psf.

**WATER INFILTRATION:** Resistance to water infiltration: No leakage through panel joints in accordance with ASTM E-331 at static test pressure differential at 12.00 psf.