

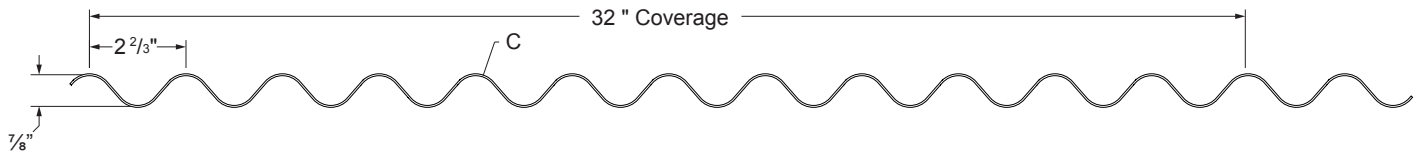
Exposed
FASTENER **PANELS**



7/8 CORRUGATED

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EXPOSED FASTENER SYSTEMS



The **7/8 Corrugated** is commonly used for a wide variety of architectural, agricultural, commercial and industrial applications. **7/8 Corrugated** is a structural panel and an exposed fastener panel that can be used for wall applications.

7/8 Corrugated is designed for industrial, commercial, and steel-frame building applications.

Features

- **Finishes:** Standard: Painted, Bare Galvanized and Galvalume®
- **Corrosion Protection:** AZ55 per ASTM A 792 for unpainted Galvalume®
AZ50 per ASTM A 792 for painted Galvalume®
G90 per ASTM A 653 for Galvanized
- **Gauges:** 26 ga and 24 ga standard; 22 ga and 20 ga optional
- **32"** panel coverage, alternate coverages are available, 7/8" rib height
- **Panel Length:** Minimum: 3'; Maximum: 45' recommended
- Applies over open framing or solid substrate
- Panels can be installed horizontally or vertically

Testing and Approvals

- **UL 2218** Impact Resistance - Class 4
- **UL 263** Fire Resistance Rating - per assembly
- **ASTM E 283** Air Leakage - 0.004 cfm/ft² at 6.24 psf *
- **ASTM E 331** Water Penetration - none at 12 psf*
- **ASTM E 1592** Structural Performance
- **ASTM E 330** Structural Performance
- **2017 FBC Approval - FL9482.1**

* uses *Double Bead Tape Sealant and Stitch Screws 1' oc in Side Lap*



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San Antonio • 2707 Castoville Rd • San Antonio, TX 78237 • (210) 227-7276 • Fax (210) 227-0329
McAllen • 2221 Austin Ave • McAllen, TX 78501 • (956) 627-2966 • Fax (956) 627-0918
Dallas • 2515 Willowbrook Rd 100 • Dallas, TX 75220 • (972) 331 6800 • Fax (972) 331 6803
Houston • 6460 Langfield Road • Houston, TX 77092 • (713) 944-4480 • Fax (713) 944-4430

7/8 CORRUGATED



SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, PSF FOR VARIOUS FASTENER SPACINGS											
GA	WIDTH IN	YIELD KSI	WEIGHT PSF	TOP IN COMPRESSION		BOTTOM IN COMPRESSION		INWARD LOAD						OUTWARD LOAD					
				IXX IN ⁴ /FT	SXX IN ³ /FT	IXX IN ⁴ /FT	SXX IN ³ /FT	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	34.67	50	0.94	0.0256	0.0576	0.0256	0.0576	322	147	66	34	20	12	322	147	66	34	20	12
24	34.67	50	1.22	0.0312	0.0739	0.0312	0.0739	412	188	80	41	24	15	412	188	80	41	24	15
22	34.67	50	1.60	0.0415	0.0950	0.0415	0.0950	530	241	107	55	32	20	530	241	107	55	32	20
20	34.67	33	1.95	0.0485	0.1139	0.0485	0.1139	419	191	108	64	37	23	419	191	108	64	37	23

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase for wind.



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ROOF AND WALL SYSTEMS
www.saqualitymetals.com

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