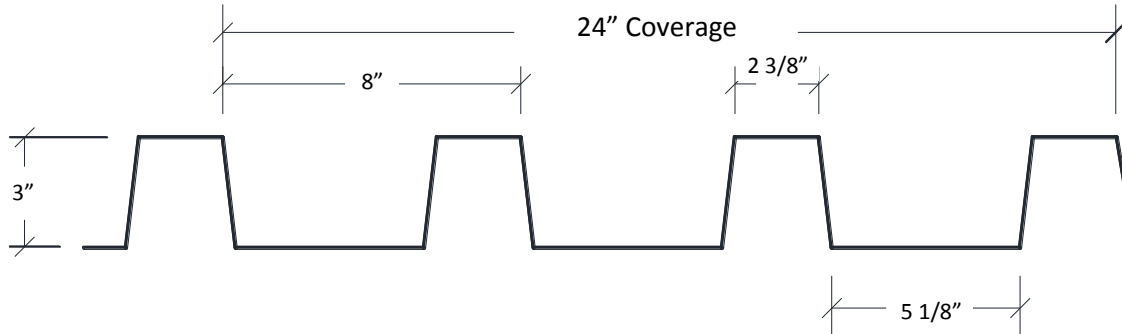


# RMP 3-8-24 PROFILE

## TECHNICAL REFERENCE



## PRODUCT OVERVIEW

- Architectural or structural applications
- Finishes: ProFinish 500 (PVDF) Colors & Acrylic Coated Galvalume®
- Available gauges: 24 ga. standard; 22, 20 & 18 ga. optional
- Also available in .032 & .040 Aluminum, & 16 or 20 oz. Copper & Zinc
- Open framing or solid substrate with proper underlayment
- Perforated panels for wind screens & liner panels, maximum length 20'-0"

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Section Properties								Allowable Loads - PSF (3 or more equal spans)											
Panel Ga.	Width (in.)	Yield KSI	Weight PSF	Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	Inward Load						Outward Load					
				Panel Top in Compression		Panel Bottom in Compression		5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
				24	24"	50	1.78	0.5390	0.3037	0.5785	0.3264	261	189	143	112	73	51	248	179
22	24"	50	2.35	0.7795	0.4620	0.8325	0.4934	430	305	227	175	113	79	406	287	213	164	106	74
20	24"	33	2.79	1.0060	0.6235	1.0660	0.6587	391	274	203	156	101	70	371	261	193	148	95	66
18	24"	33	3.67	1.4100	0.9068	1.4750	0.9404	557	392	290	223	144	100	539	378	280	215	138	96

1. Theoretical section properties have been calculated per AISI 2001, "Specifications 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 2001 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers both, 3 or more equal span conditions. Allowable load does not address web crippling or fasteners/support connection. 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 in uplift.

**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.

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