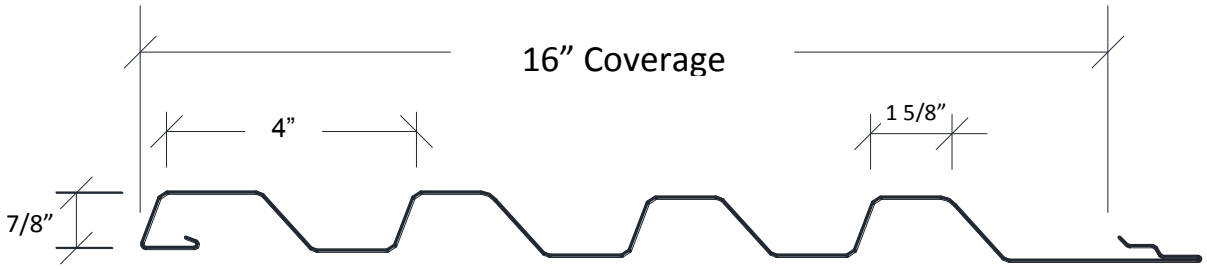
RIGIDIZED PROFILE

TECHNICAL REFERENCE



PRODUCT OVERVIEW

- Architectural wall application
- Applied over solid substrate with proper underlayment
- Air ASTM E-283 and Water ASTM E-33I
- Finishes: ProFinish 500 (PVDF) Colors and Acrylic Coated Galvalume®
- Available gauges: 24 ga. standard 22, 20 & 18 ga. optional
- Also available in .032 Aluminum, 16 & 20 oz. Zinc
- Mitered corners available
- 7/8" Deep, 16" coverage
- Minimum length panel 2'-0", maximum length 40'-0"

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Section Properties							Allowable Loads - PSF (3 or more equal spans)											
			Ixx In^4/ft	Sxx In^3/ft	Ixx In^4/ft	Sxx In^3/ft	Inward Load						Outward Load					
Panel Ga.	Width (in.)	Weight PSF	Panel Top in Compression		Panel Bottom in Compression		2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
24	16	1.47	0.040	0.081	0.041	0.0801	675	260	110	56	33	20	675	260	110	56	33	20
22	16	1.84	0.054	0.112	0.054	0.1029	9333	351	148	76	44	28	9333	351	148	76	44	28
20	16	2.2	0.067	0.143	0.066	0.1234	1192	429	181	93	54	34	1192	429	181	93	54	34
18	16	2.94	0.095	0.205	0.089	0.198	1650	605	255	131	76	48	1650	605	255	131	76	48

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

Air Infiltration: Resistance to air infiltration; 1.007 cfm per lineal ft. 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

RMP ROLLFAB METAL PRODUCTS

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