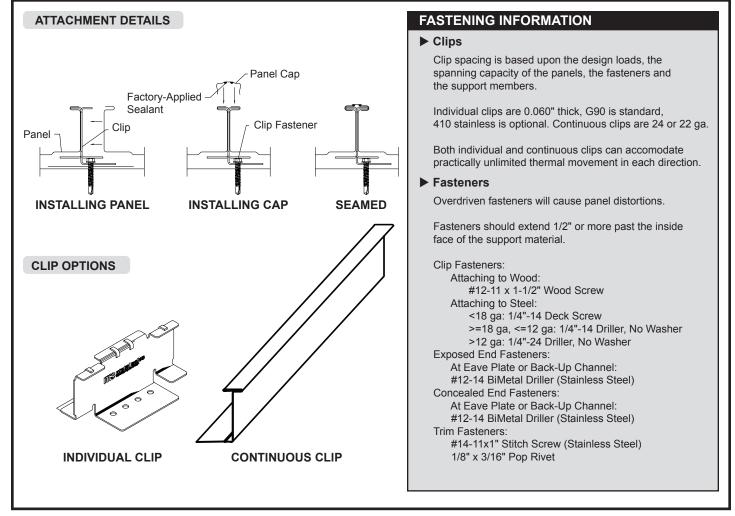


3" T-ARMOR - Aluminum



SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf (3 or More Equal Spans)											
Thick in	Width in	Yield ksi	Weight psf	I in⁴/ft	S_{τορ} in³/ft	S _{вottom} in³/ft	Inward Load						Outward Load						
							2'	2.5'	3'	3.5'	4'	5'	2'	2.5'	3'	3.5'	4'	5'	
0.032	12	17	0.77	0.8880	0.4313	0.9734	187	122	85	63	49	31	55	51	46	42	37	28	
0.032	16	17	0.69	0.7313	0.3319	0.9503	136	89	62	46	35	23	55	51	46	42	37	28	
0.032	18	17	0.66	0.6727	0.2977	0.9420	120	78	55	41	31	20	55	51	46	42	37	28	

1. Theoretical section properties have been calculated per Aluminum Association's 2010 'Aluminum Design Manual'. I, S_{Top} and S_{Bottom} are section properties for deflection and bending.

 Allowable loads are calculated in accordance with ADM 2010 specification considering bending, shear, combined bending and shear, deflection and ASTM E 1592 uplift load testing on 16 ga purlins. Allowable loads consider the 3 or more equal spans condition. Panel weight is not considered.

Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
Allowable loads do not include a 1/3 stress increase for wind.

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