TAYLOR METAL PRODUCTS

4566 RIDGE DRIVE NE
SALEM, OR 97301

Smoothwall™ 100 Wall & Soffit Panel

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)													
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load					
				I_{xx} $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39.6	31.3	25.3	20.9	17.6	122.0	84.7	62.2	47.7	37.7	30.5	25.2	21.2
24	12	50	1.28	0.0204	0.0354	0.0332	0.0388	141.6	98.3	72.2	55.3	43.7	35.4	29.3	24.6	155.2	107.8	79.2	60.6	47.9	38.8	32.1	26.9
22	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	103.5	79.2	62.6	50.7	41.9	35.2	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9

1. Theoretical section properties have been calculated per AISI 2012 North American Specification for the Design of Cold-Formed Steel Structural Member. I_{xx} and S_{xx} 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 a **3 or more equal span condition.**
3. Allowable load does not address web crippling, fasteners, connection strength or support material.
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection is **not considered**.
7. Allowable loads do not include a 1/3 stress increase for wind.

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)													
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load					
				I_{xx} $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39.6	31.3	25.3	20.9	17.6	122.0	84.7	62.2	47.7	37.7	30.5	25.2	31.2
24	12	50	1.28	0.0204	0.0354	0.0332	0.0388	141.6	98.3	72.2	55.3	43.7	35.4	29.3	24.6	155.2	107.8	79.2	60.6	47.9	38.8	32.1	26.9
22	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	103.5	79.2	62.6	50.7	41.9	34.0	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9

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3. Allowable load does not address web crippling, fasteners, connection strength or support material.
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection consideration is limited by a maximum deflection ratio of **L/120** of span.
7. Allowable loads do not include a 1/3 stress increase for wind.

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)													
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load					
				I_{xx} $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39.6	29.1	21.2	15.9	12.3	122.0	84.7	62.2	47.7	37.7	30.5	25.2	21.2
24	12	50	1.28	0.0204	0.0354	0.0332	0.0388	141.6	98.3	72.2	55.3	39.3	28.7	21.5	16.6	155.2	107.8	79.2	60.6	47.9	38.8	32.1	26.9
22	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	103.5	76.5	53.8	39.2	29.4	22.7	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9

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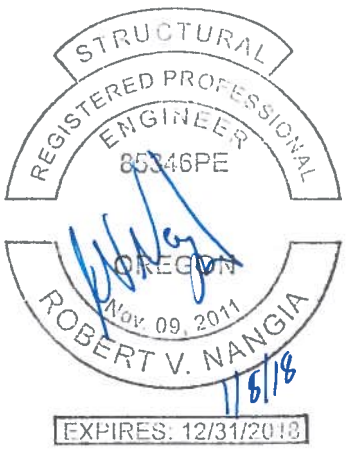
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection consideration is limited by a maximum deflection ratio of **L/180** of span.
7. Allowable loads do not include a 1/3 stress increase for wind.



TAYLOR METAL PRODUCTS

Smoothwall™ 100 - 11/1 Wall & Soffit Panel

4566 RIDGE DRIVE NE
SALEM, OR 97301

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
				Top in Compression		Bottom in Compression		Inward Load								Outward Load							
Ga.	Width in.	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0160	0.0258	0.0297	0.0351	103.0	71.6	52.6	40.3	31.8	25.8	21.3	17.9	140.6	97.6	71.7	54.9	43.4	35.1	29.0	24.4
24	12	50	1.28	0.0212	0.0356	0.0374	0.0447	142.3	98.8	72.6	55.6	43.9	35.6	29.4	24.7	178.9	124.2	91.3	69.9	55.2	44.7	37.0	31.1
22	12	50	1.61	0.0285	0.0502	0.0471	0.0570	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9	228.0	158.3	116.3	89.1	70.4	57.0	47.1	39.6

1. Theoretical section properties have been calculated per AISI 2012 North American Specification for the Design of Cold-Formed Steel Structural Member. I_{xx} and S_{xx} are effective section properties for deflection and bending.
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