

Smoothwall™ 100 Wall & Soffit Panel

4566 RIDGE DRIVE NE SALEM, OR 97301

	SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
		Width		Weight	Top in Co	mpression	Bottom in Co	ompression			NOW HOUSE CONTRACTOR	Inward	d Load	MODEL WAS A STREET	USTO IN SERVICE AND IN SERVICE	Manager Park		en manufunkan anak	RCG/BOTOLISH SOTO	Outwa	rd Load	I who will see you be a proposed		ACTIVITIES OF THE PARTY OF
(Ga.	in.	Yield ksi	psf	l _{xx} in ⁴ /ft.	S _{ix} in ³ /ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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	1.03.5	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.

				SEC	TION PROPER	TIES			ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
		Midsh		Malaka	Top in Co	mpression	Bottom in Co	ompression				Inwar	d Load	TO THE PROPERTY OF THE PROPERT	Series Constitution of the	AND DESCRIPTION OF		Dederategestoca	and at the state of the state of	Outwa	rd Load	ALL PROPERTY AND ADDRESS OF THE PARTY AND ADDR		
Ga	3.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	I _{xx} in ⁴ /ft.	S _{xx} in³/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	6	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	4	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	2	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	1.03.5	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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- 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.

			SEC	TION PROPER	TIES	A NAMES AND A STATE OF THE STAT		ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
	Midala		Minimin	Top in Co	mpression	Bottom in C	ompression			CORE COMMUNICATION	Inwar	d Load	THE RESIDENCE OF THE PERSON OF	CONTROL OF THE PARTY OF T	STATES A CONTROLLEGATION	PORCHERO CONTROL		ACTUAL CONTROL OF THE PARTY.	Outwa	rd Load	NAME OF TAXABLE PARTY.	Alder Trending (Inter-	
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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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- 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.





Smoothwall™ 100 - 11/1 Wall & Soffit Panel

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			SEC	TION PROPER	TIES			ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
)All dab		141-1-1-	Top in Co	mpression	Bottom in C	ompression				inwar	Load			- CONTRACTOR CONTRACTO				Outwa	rd Load		and the second second	
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	I _{xx} in ⁴ /ft.	S _{xx} in³/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

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	SECTION PROPERTIES									ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)													
	1811-181		14/-1-1-	Top in Co	mpression	Bottom in Co	ompression				Inwar	d Load							Outwa	rd Load	20042-0-0		
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in ³ /ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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'
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	sam tot		144 1 1	Top in Co	mpression	Bottom in C	ompression				Inwar	d Load							Outwa	rd Load			
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in ³ /ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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'
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