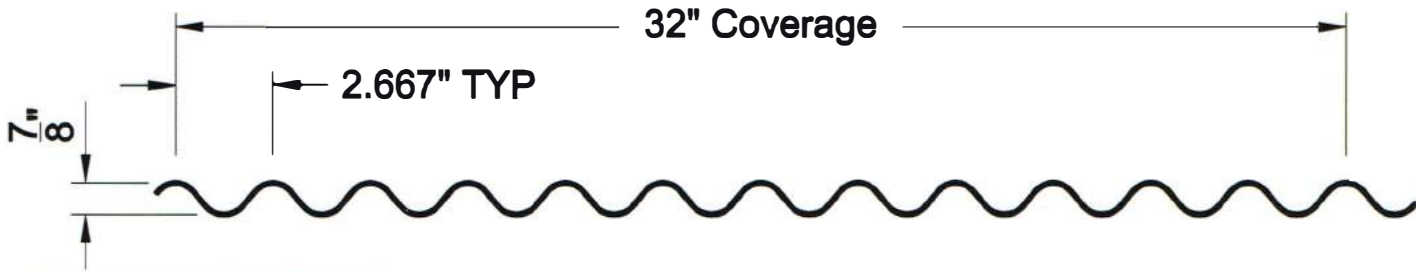




ENERGY STAR PARTNER

ABT-32 PANEL

The Classic Sine Wave Corrugated



- 32" Wide Panel Coverage Combines Simplicity And Function
- Smooth Symmetrical Ribs For Bold Shadowline Effects
- 7/8" Deep Ribs Are Nine Times Stronger Than Old Corrugated
- Can Be Applied Horizontally Or Vertically.
- Available Mitered Corners For Continuity Around Edges
- Utilizes The Latest Technology While Preserving Nostalgia
- Excellent Cladding For Roof, Wall, Liner Or Fascia Accents
- Matching Light Transmitting Panels Are Available
- Available In Several Gauges, Finishes And Colors
- UL 2218 Impact And 1-Hour UL 790 Fire Resistance Tested



ABT-32 PANEL

SECTION PROPERTIES

PANEL	F _y (KSI)	WEIGHT (PSI)	NEGATIVE BENDING			POSITIVE BENDING		
			I _{xe} (IN. 4/FT.)	S _{xe} (IN. 3/FT.)	Maxo (KIP-IN.)	I _{xe} (IN. 4/FT.)	S _{xe} (IN. 3/FT.)	Maxo (KIP-IN.)
29	60 *	0.84	0.0187	0.0405	1.4547	0.0187	0.0405	1.4547
26	60 *	1.06	0.0249	0.055	1.9759	0.0249	0.055	1.9759
24	50	1.28	0.0318	0.0711	2.1296	0.0318	0.0711	2.1296
22	50	1.62	0.0415	0.0905	2.7099	0.0415	0.0905	2.7099

* F_y is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the North American Specification For Design of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

- All calculations for the properties of ABT-32 panels are calculated in accordance with the 2001 edition of the North American Specification For Design of Cold-Formed Steel Structural Members.
- I_{xe} is for deflection determination.
- S_{xe} is for Bending.
- Maxo is allowable bending moment.
- All values are one foot of panel width.

ABT-32

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (F _y =60 KSI)		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	107.8	60.6	38.8	26.9	19.8	15.2	12.0
	LIVE LOAD/DEFLECTION	60.5	25.5	13.1	7.6	4.8	3.2	2.2
2-SPAN	NEGATIVE WIND LOAD	107.8	60.6	38.8	26.9	19.8	15.2	12.0
	LIVE LOAD/DEFLECTION	94.3	56.0	31.5	18.2	11.5	7.7	5.4
3-SPAN	NEGATIVE WIND LOAD	134.7	75.8	48.5	33.7	24.7	18.9	15.0
	LIVE LOAD/DEFLECTION	112.3	48.2	24.7	14.3	9.0	6.0	4.2
4-SPAN	NEGATIVE WIND LOAD	125.8	70.7	45.3	31.4	23.1	17.7	14.0
	LIVE LOAD/DEFLECTION	106.6	51.2	26.2	15.2	9.5	6.4	4.5

26 Gauge (F _y =60 KSI)		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	146.4	82.3	52.7	36.6	26.9	20.6	16.3
	LIVE LOAD/DEFLECTION	80.6	34.0	17.4	10.1	6.3	4.3	3.0
2-SPAN	NEGATIVE WIND LOAD	146.4	82.3	52.7	36.6	26.9	20.6	16.3
	LIVE LOAD/DEFLECTION	126.8	75.6	41.9	24.3	15.3	10.2	7.2
3-SPAN	NEGATIVE WIND LOAD	183.00	102.9	65.9	45.7	33.6	25.7	20.3
	LIVE LOAD/DEFLECTION	150.5	64.2	32.9	19.0	12.0	8.0	5.6
4-SPAN	NEGATIVE WIND LOAD	170.8	96.1	61.5	42.7	31.4	24.0	19.0
	LIVE LOAD/DEFLECTION	143.1	68.1	34.9	20.2	12.7	8.5	6.0

24 Gauge (F _y =60 KSI)		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	157.7	88.7	56.8	39.4	29.0	22.2	17.5
	LIVE LOAD/DEFLECTION	102.9	43.4	22.2	12.9	8.1	5.4	3.8
2-SPAN	NEGATIVE WIND LOAD	157.7	88.7	56.8	39.4	29.0	22.2	17.5
	LIVE LOAD/DEFLECTION	135.0	80.8	53.4	31.0	19.5	13.1	9.2
3-SPAN	NEGATIVE WIND LOAD	197.2	110.9	71.0	49.3	36.2	27.7	21.9
	LIVE LOAD/DEFLECTION	159.6	82.0	42.0	24.3	15.3	10.2	7.2
4-SPAN	NEGATIVE WIND LOAD	184.1	103.6	66.3	46.0	33.8	25.9	20.5
	LIVE LOAD/DEFLECTION	151.9	87.0	44.5	25.8	16.2	10.9	7.6

22 Gauge (F _y =60 KSI)		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	3.0	4.0	5.0	6.0	7.0	8.0	9.0
SINGLE	NEGATIVE WIND LOAD	200.7	112.9	72.3	50.2	36.9	28.2	22.3
	LIVE LOAD/DEFLECTION	134.3	56.7	29.0	16.8	10.6	7.1	5.0
2-SPAN	NEGATIVE WIND LOAD	200.7	112.9	72.3	50.2	36.9	28.2	22.3
	LIVE LOAD/DEFLECTION	172.2	103.0	68.0	40.5	25.5	17.1	12.0
3-SPAN	NEGATIVE WIND LOAD	250.9	141.1	90.3	62.7	46.1	35.3	27.9
	LIVE LOAD/DEFLECTION	203.7	107.0	54.8	31.7	20.0	13.4	9.4
4-SPAN	NEGATIVE WIND LOAD	234.3	131.8	84.3	58.6	43.0	32.9	26.0
	LIVE LOAD/DEFLECTION	193.8	113.5	58.1	33.6	21.2	14.2	10.0

NOTES:

- Allowable loads are based on uniform span length and F_y = 50 and 60-ksi.
- LIVE LOAD is limited by bending, shear, combined shear & bending, or web crippling.
- NEGATIVE WIND LOAD does not contain a 33.333% increase and does not contain fastener pullout or pullover.
- Above loads consider a maximum deflection ratio of L/180.
- The weight of panel has not been deducted from the allowable loads.
- The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
- This material is subject to change without notice.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

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