

Roof Clip Spacing (feet)

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.47:12					Roof Slope: 1.48:12 to 6.11:12			Roof Slope: 6.12:12 to 12:12		
100C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-13.2 psf	-23.5 psf	-31.2 psf	-42.7 psf	-27.3 psf	-36.3 psf	-47.8 psf	-24.7 psf	-27.3 psf	-42.7 psf
		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
110C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-16.1 psf	-28.5 psf	-37.8 psf	-51.8 psf	-33.2 psf	-44 psf	-58 psf	-30.1 psf	-33.2 psf	-51.8 psf
		5.00	5.00	5.00	5.00	5.00	5.00	4.33	5.00	5.00	5.00
120C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-19.3 psf	-34.1 psf	-45.1 psf	-61.8 psf	-39.6 psf	-52.5 psf	-69.2 psf	-35.9 psf	-39.6 psf	-61.8 psf
		5.00	5.00	5.00	4.00	5.00	5.00	3.67	5.00	5.00	4.00
130C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-22.8 psf	-40.1 psf	-53.1 psf	-72.6 psf	-46.6 psf	-61.8 psf	-81.3 psf	-42.3 psf	-46.6 psf	-72.6 psf
		5.00	5.00	5.00	3.67	5.00	4.00	3.00	5.00	5.00	3.67
140C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-26.5 psf	-46.6 psf	-61.7 psf	-84.3 psf	-54.1 psf	-71.7 psf	-94.4 psf	-49.1 psf	-54.1 psf	-84.3 psf
		5.00	5.00	4.33	3.00	4.67	3.67	2.67	5.00	4.67	3.00
150C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-30.5 psf	-53.6 psf	-70.9 psf	-96.9 psf	-62.2 psf	-82.4 psf	-108.4 psf	-56.5 psf	-62.2 psf	-96.9 psf
		5.00	4.67	3.67	2.67	4.00	3.00	2.33	4.67	4.00	2.67
160C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-34.8 psf	-61.1 psf	-80.8 psf	-110.3 psf	-70.9 psf	-93.9 psf	-123.4 psf	-64.4 psf	-70.9 psf	-110.3 psf
		5.00	4.33	3.00	2.33	3.67	2.67	2.00	4.00	3.67	2.33
170C	Thickness	zone 1*	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-39.4 psf	-69 psf	-91.3 psf	-124.6 psf	-80.1 psf	-106.1 psf	-139.4 psf	-72.7 psf	-80.1 psf	-124.6 psf
		5.00	3.67	2.67	2.00	N.G.	N.G.	N.G.	3.67	3.33	2.00

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL10999.9 and determined by interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

2. Allowable spacing is based on an applied load determined using ASCE 7-22 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet tributary area, Enclosed Gable Roof, 3 or more equal span case, Topographic Factor of 1 and Mean Roof Height of 30 feet. Tornado Loads are not considered.

3. Allowable spacing is determined for wind suction using the pressures shown, resulting from the combination $0.6DL + 0.6W$. Also considered is the inward wind pressure, 20 psf live load and the weight of the panel.

* - Indicates that S-51 Clamps are required at clip locations.

