

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		
100D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-15.7 psf	-27.9 psf	-37 psf	-50.6 psf	-32.4 psf	-43 psf	-56.7 psf	-29.4 psf	-32.4 psf	-50.6 psf
		5.00	5.00	5.00	5.00	5.00	5.00	4.67	5.00	5.00	5.00
110D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-19.2 psf	-33.9 psf	-44.9 psf	-61.4 psf	-39.4 psf	-52.2 psf	-68.7 psf	-35.7 psf	-39.4 psf	-61.4 psf
		5.00	5.00	5.00	4.33	5.00	5.00	3.67	5.00	5.00	4.33
120D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-22.9 psf	-40.4 psf	-53.5 psf	-73.2 psf	-47 psf	-62.3 psf	-81.9 psf	-42.6 psf	-47 psf	-73.2 psf
		5.00	5.00	4.67	3.33	5.00	4.00	3.00	5.00	5.00	3.33
130D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-27 psf	-47.6 psf	-62.9 psf	-86 psf	-55.3 psf	-73.2 psf	-96.3 psf	-50.1 psf	-55.3 psf	-86 psf
		5.00	5.00	4.00	3.00	4.67	3.33	2.67	5.00	4.67	3.00
140D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-31.5 psf	-55.3 psf	-73.1 psf	-99.9 psf	-64.2 psf	-85 psf	-111.8 psf	-58.2 psf	-64.2 psf	-99.9 psf
		5.00	4.67	3.33	2.67	4.00	3.00	2.33	4.33	4.00	2.67
150D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-36.2 psf	-63.5 psf	-84 psf	-114.7 psf	-73.8 psf	-97.7 psf	-128.4 psf	-66.9 psf	-73.8 psf	-114.7 psf
		5.00	4.00	3.00	2.00	3.33	2.67	2.00	3.67	3.33	2.00
160D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-41.3 psf	-72.4 psf	-95.7 psf	-130.6 psf	-84 psf	-111.2 psf	-146.2 psf	-76.3 psf	-84 psf	-130.6 psf
		5.00	3.67	2.67	2.00	N.G.	N.G.	N.G.	3.33	3.00	2.00
170D	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
	24 ga	-46.7 psf	-81.8 psf	-108.1 psf	-147.6 psf	-94.9 psf	-125.6 psf	-165.1 psf	-86.2 psf	-94.9 psf	-147.6 psf
		N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

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.

