

## Roof Fastener 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		
	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
120D	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	4.75	5.00	5.00	5.00
		-22.8 psf	-40.3 psf	-53.4 psf	-73 psf	-46.8 psf	-62.1 psf	-81.8 psf	-42.5 psf	-46.8 psf	-73 psf
130D	24 ga	5.00	5.00	5.00	4.50	5.00	5.00	4.00	5.00	5.00	4.50
		-26.9 psf	-47.4 psf	-62.8 psf	-85.9 psf	-55.1 psf	-73 psf	-96.1 psf	-50 psf	-55.1 psf	-85.9 psf
140D	24 ga	5.00	5.00	5.00	3.75	5.00	4.50	3.50	5.00	5.00	3.75
		-31.3 psf	-55.1 psf	-73 psf	-99.7 psf	-64 psf	-84.8 psf	-111.6 psf	-58.1 psf	-64 psf	-99.7 psf
150D	24 ga	5.00	5.00	4.75	3.25	5.00	4.00	3.00	5.00	5.00	3.25
		-36.1 psf	-63.4 psf	-83.9 psf	-114.6 psf	-73.6 psf	-97.5 psf	-128.2 psf	-66.8 psf	-73.6 psf	-114.6 psf
160D	24 ga	5.00	5.00	4.00	3.00	4.75	3.50	2.25	5.00	4.75	3.00
		-41.1 psf	-72.2 psf	-95.5 psf	-130.5 psf	-83.9 psf	-111.1 psf	-146 psf	-76.1 psf	-83.9 psf	-130.5 psf
170D	24 ga	5.00	4.75	3.50	2.25	N.G.	N.G.	N.G.	4.50	4.00	2.25
		-46.6 psf	-81.6 psf	-107.9 psf	-147.4 psf	-94.8 psf	-125.5 psf	-165 psf	-86 psf	-94.8 psf	-147.4 psf
180D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-52.3 psf	-91.6 psf	-121.1 psf	-165.4 psf	-106.4 psf	-140.8 psf	-185 psf	-96.5 psf	-106.4 psf	-165.4 psf
190D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-58.4 psf	-102.2 psf	-135 psf	-184.3 psf	-118.6 psf	-157 psf	-206.3 psf	-107.7 psf	-118.6 psf	-184.3 psf

### Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL10999.1 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.

