

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
100C	29 ga	4.00	4.00	4.00	3.75	4.00	4.00	3.25	4.00	4.00	3.75
		-13.5 psf	-23.7 psf	-31.4 psf	-43 psf	-27.6 psf	-36.6 psf	-48.1 psf	-25 psf	-27.6 psf	-43 psf
110C	29 ga	4.00	4.00	4.00	3.00	4.00	3.50	2.75	4.00	4.00	3.00
		-16.4 psf	-28.8 psf	-38.1 psf	-52.1 psf	-33.5 psf	-44.3 psf	-58.3 psf	-30.4 psf	-33.5 psf	-52.1 psf
120C	29 ga	4.00	4.00	3.50	2.50	4.00	3.00	2.00	4.00	4.00	2.50
		-19.6 psf	-34.3 psf	-45.4 psf	-62 psf	-39.9 psf	-52.8 psf	-69.4 psf	-36.2 psf	-39.9 psf	-62 psf
130C	29 ga	4.00	4.00	3.00	1.75	3.50	2.50	1.00	3.75	3.50	1.75
		-23 psf	-40.4 psf	-53.4 psf	-72.9 psf	-46.9 psf	-62 psf	-81.6 psf	-42.5 psf	-46.9 psf	-72.9 psf
140C	29 ga	4.00	3.50	2.50	0.75	N.G.	N.G.	N.G.	3.25	3.00	0.75
		-26.8 psf	-46.9 psf	-62 psf	-84.6 psf	-54.4 psf	-72 psf	-94.6 psf	-49.4 psf	-54.4 psf	-84.6 psf
150C	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-30.8 psf	-53.9 psf	-71.2 psf	-97.2 psf	-62.5 psf	-82.7 psf	-108.7 psf	-56.8 psf	-62.5 psf	-97.2 psf
160C	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-35.1 psf	-61.3 psf	-81 psf	-110.6 psf	-71.2 psf	-94.2 psf	-123.7 psf	-64.6 psf	-71.2 psf	-110.6 psf
170C	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-39.7 psf	-69.3 psf	-91.5 psf	-124.9 psf	-80.4 psf	-106.4 psf	-139.7 psf	-73 psf	-80.4 psf	-124.9 psf

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL14645.6 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.

