

## 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		
	zone 1'	zone 1	zone 2	zone 3		zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
120C	Thickness	-19.1 psf	-33.9 psf	-45 psf	-61.6 psf	-39.5 psf	-52.4 psf	-69 psf	-35.8 psf	-39.5 psf	-61.6 psf
	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
130C	Thickness	-22.6 psf	-39.9 psf	-52.9 psf	-72.4 psf	-46.4 psf	-61.6 psf	-81.1 psf	-42.1 psf	-46.4 psf	-72.4 psf
	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	4.75	5.00	5.00	5.00
140C	Thickness	-26.3 psf	-46.4 psf	-61.5 psf	-84.2 psf	-54 psf	-71.6 psf	-94.2 psf	-49 psf	-54 psf	-84.2 psf
	24 ga	5.00	5.00	5.00	4.50	5.00	5.00	4.00	5.00	5.00	4.50
150C	Thickness	-30.4 psf	-53.4 psf	-70.8 psf	-96.7 psf	-62.1 psf	-82.3 psf	-108.3 psf	-56.3 psf	-62.1 psf	-96.7 psf
	24 ga	5.00	5.00	5.00	4.00	5.00	4.75	3.50	5.00	5.00	4.00
160C	Thickness	-34.7 psf	-60.9 psf	-80.6 psf	-110.2 psf	-70.8 psf	-93.7 psf	-123.3 psf	-64.2 psf	-70.8 psf	-110.2 psf
	24 ga	5.00	5.00	4.75	3.50	5.00	4.25	3.00	5.00	5.00	3.50
170C	Thickness	-39.2 psf	-68.9 psf	-91.1 psf	-124.5 psf	-80 psf	-105.9 psf	-139.3 psf	-72.6 psf	-80 psf	-124.5 psf
	24 ga	5.00	5.00	4.25	3.00	4.75	3.75	2.50	5.00	4.75	3.00
180C	Thickness	-44.1 psf	-77.3 psf	-102.2 psf	-139.6 psf	-89.8 psf	-118.9 psf	-156.3 psf	-81.5 psf	-89.8 psf	-139.6 psf
	24 ga	5.00	5.00	3.75	2.50	4.25	3.25	2.00	4.75	4.25	2.50
190C	Thickness	-49.2 psf	-86.2 psf	-114 psf	-155.7 psf	-100.1 psf	-132.5 psf	-174.2 psf	-90.9 psf	-100.1 psf	-155.7 psf
	24 ga	5.00	4.50	3.25	2.00	N.G.	N.G.	N.G.	4.25	3.75	2.00

### 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.

