

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	
100D	Thickness	-16 psf	-28.2 psf	-37.3 psf	-50.9 psf	-32.7 psf	-43.3 psf	-57 psf	-29.7 psf	-32.7 psf	-50.9 psf
	29 ga	4.00	4.00	4.00	3.25	4.00	3.75	2.75	4.00	4.00	3.25
110D	Thickness	-19.5 psf	-34.1 psf	-45.2 psf	-61.7 psf	-39.7 psf	-52.5 psf	-69 psf	-36 psf	-39.7 psf	-61.7 psf
	29 ga	4.00	4.00	3.50	2.50	4.00	3.00	2.00	4.00	4.00	2.50
120D	Thickness	-23.2 psf	-40.7 psf	-53.8 psf	-73.5 psf	-47.3 psf	-62.6 psf	-82.2 psf	-42.9 psf	-47.3 psf	-73.5 psf
	29 ga	4.00	4.00	3.00	1.50	3.50	2.50	1.00	3.75	3.50	1.50
130D	Thickness	-27.3 psf	-47.8 psf	-63.2 psf	-86.3 psf	-55.5 psf	-73.5 psf	-96.6 psf	-50.4 psf	-55.5 psf	-86.3 psf
	29 ga	4.00	3.25	2.25	0.75	N.G.	N.G.	N.G.	3.25	2.75	0.75
140D	Thickness	-31.7 psf	-55.5 psf	-73.4 psf	-100.2 psf	-64.5 psf	-85.3 psf	-112 psf	-58.5 psf	-64.5 psf	-100.2 psf
	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
150D	Thickness	-36.5 psf	-63.8 psf	-84.3 psf	-115 psf	-74.1 psf	-98 psf	-128.7 psf	-67.2 psf	-74.1 psf	-115 psf
	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
160D	Thickness	-41.6 psf	-72.7 psf	-96 psf	-130.9 psf	-84.3 psf	-111.5 psf	-146.5 psf	-76.5 psf	-84.3 psf	-130.9 psf
	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
170D	Thickness	-47 psf	-82.1 psf	-108.4 psf	-147.8 psf	-95.2 psf	-125.9 psf	-165.4 psf	-86.5 psf	-95.2 psf	-147.8 psf
	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

Notes:

- 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.
- 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.
- 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.

