

## 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	
<b>100D</b>	Thickness 26 ga	-15.9 psf 5.00	-28 psf 5.00	-37.1 psf 5.00	-50.8 psf 4.00	-32.6 psf 5.00	-43.2 psf 4.75	-56.9 psf 3.50	-29.5 psf 5.00	-32.6 psf 5.00	-50.8 psf 4.00
<b>110D</b>	Thickness 26 ga	-19.3 psf 5.00	-34 psf 5.00	-45 psf 4.50	-61.6 psf 3.25	-39.5 psf 5.00	-52.4 psf 3.75	-68.9 psf 3.00	-35.9 psf 5.00	-39.5 psf 5.00	-61.6 psf 3.25
<b>120D</b>	Thickness 26 ga	-23.1 psf 5.00	-40.6 psf 5.00	-53.7 psf 3.75	-73.4 psf 2.75	-47.1 psf 4.25	-62.4 psf 3.25	-82.1 psf 2.50	-42.8 psf 4.75	-47.1 psf 4.25	-73.4 psf 2.75
<b>130D</b>	Thickness 26 ga	-27.2 psf 5.00	-47.7 psf 4.25	-63.1 psf 3.25	-86.2 psf 2.25	-55.4 psf 3.75	-73.4 psf 2.75	-96.4 psf 2.00	-50.3 psf 4.00	-55.4 psf 3.75	-86.2 psf 2.25
<b>140D</b>	Thickness 26 ga	-31.6 psf 5.00	-55.4 psf 3.75	-73.3 psf 2.75	-100 psf 2.00	-64.3 psf 3.25	-85.2 psf 2.25	-111.9 psf 2.00	-58.4 psf 3.50	-64.3 psf 3.25	-100 psf 2.00
<b>150D</b>	Thickness 26 ga	-36.4 psf 5.00	-63.7 psf 3.25	-84.2 psf 2.25	-114.9 psf 2.00	-73.9 psf 2.75	-97.8 psf 2.00	-128.6 psf 2.00	-67.1 psf 3.00	-73.9 psf 2.75	-114.9 psf 2.00
<b>160D</b>	Thickness 26 ga	-41.5 psf 5.00	-72.5 psf 2.75	-95.8 psf 2.00	-130.8 psf 2.00	-84.2 psf 2.25	-111.4 psf 2.00	-146.3 psf 2.00	-76.4 psf 2.50	-84.2 psf 2.25	-130.8 psf 2.00
<b>170D</b>	Thickness 26 ga	-46.9 psf 4.25	-81.9 psf 2.50	-108.3 psf 2.00	-147.7 psf 2.00	zone 1 -95.1 psf N.G.	zone 2 -125.8 psf N.G.	zone 3 -165.3 psf N.G.	zone 1 -86.3 psf 2.25	zone 2 -95.1 psf 2.00	zone 3 -147.7 psf 2.00

### Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL10999.7 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.

