



# PBR-Panel on 16 ga Purlins

## Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.5:12				Roof Slope: 1.5:12 to 6:12			Roof Slope: 6:12 to 12:12		
	Thickness	Field	Edge	Corner	Field	Edge	Corner	Field	Edge	Corner
120D	26 ga	5.00	5.00	3.25	5.00	5.00	3.50	5.00	5.00	5.00
		-24.5 psf	-41.4 psf	-62.6 psf	-22.4 psf	-39.3 psf	-58.3 psf	-24.5 psf	-28.7 psf	-28.7 psf
130D	26 ga	5.00	4.25	2.75	5.00	4.50	3.00	5.00	5.00	5.00
		-28.8 psf	-48.7 psf	-73.5 psf	-26.3 psf	-46.2 psf	-68.6 psf	-28.8 psf	-33.8 psf	-33.8 psf
140D	26 ga	5.00	3.50	2.25	5.00	3.75	2.50	5.00	5.00	5.00
		-33.5 psf	-56.5 psf	-85.4 psf	-30.6 psf	-53.7 psf	-79.6 psf	-33.5 psf	-39.3 psf	-39.3 psf
150D	26 ga	5.00	3.00	2.00	5.00	3.25	2.25	5.00	4.50	4.50
		-38.5 psf	-65 psf	-98.1 psf	-35.2 psf	-61.7 psf	-91.4 psf	-38.5 psf	-45.1 psf	-45.1 psf
160D	26 ga	4.75	2.75	2.00	5.00	2.75	2.00	4.75	4.00	4.00
		-43.9 psf	-74 psf	-111.6 psf	-40.1 psf	-70.2 psf	-104.1 psf	-43.9 psf	-51.4 psf	-51.4 psf
170D	26 ga	4.00	2.50	2.00	4.50	2.50	2.00	4.00	3.50	3.50
		-49.6 psf	-83.6 psf	-126.1 psf	-45.4 psf	-79.4 psf	-117.6 psf	-49.6 psf	-58.1 psf	-58.1 psf
180D	26 ga	3.75	2.00	2.00	4.00	2.25	2.00	3.75	3.00	3.00
		-55.7 psf	-93.8 psf	-141.4 psf	-50.9 psf	-89 psf	-131.9 psf	-55.7 psf	-65.2 psf	-65.2 psf
190D	26 ga	N.G.	N.G.	N.G.	3.50	2.00	2.00	3.25	2.75	2.75
		-62.1 psf	-104.6 psf	-157.6 psf	-56.8 psf	-99.3 psf	-147 psf	-62.1 psf	-72.7 psf	-72.7 psf

**Notes:**

- Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.7 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and patterns are shown in the Approval.
- Allowable spacing is based on an applied load determined using ASCE 7-10 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed building, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 25 feet.
- Allowable spacing is determined for wind suction using the combination  $0.6DL + 0.6W$ . Also considered is the appropriate inward wind pressure, 20 psf live load and the weight of the panel.

N.G. indicates the panel is not recommended for this application.

① - FIELD

② - EDGE

③ - CORNER

A - LEAST OF 10% MINIMUM BUILDING WIDTH OR 40% OF ROOF MEAN HEIGHT BUT NOT LESS THAN 3'-0"