



# PBR-Panel on 16 ga Purlins

## Roof Fastener Spacing (feet)

Wind Speed (mph)  
Exposure Category  
**120C**

Roof Slope: 0.5:12 to 1.5:12				
Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	4.50	3.50

Roof Slope: 1.5:12 to 6:12		
zone 1,2e	z 2n,2r,3e	zone 3r
5.00	3.50	3.00

Roof Slope: 6:12 to 12:12		
z 1,2e,2r	z 2n,3r	zone 3e
5.00	5.00	3.50

**130C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	4.00	3.00

zone 1,2e	z 2n,2r,3e	zone 3r
4.50	3.00	2.50

z 1,2e,2r	z 2n,3r	zone 3e
5.00	4.50	3.00

**140C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	4.50	3.50	2.50

zone 1,2e	z 2n,2r,3e	zone 3r
4.00	2.50	2.00

z 1,2e,2r	z 2n,3r	zone 3e
4.00	4.00	2.50

**150C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	4.00	3.00	2.00

zone 1,2e	z 2n,2r,3e	zone 3r
3.50	2.00	2.00

z 1,2e,2r	z 2n,3r	zone 3e
3.50	3.50	2.00

**160C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	3.50	2.50	1.50

zone 1,2e	z 2n,2r,3e	zone 3r
3.00	2.00	1.50

z 1,2e,2r	z 2n,3r	zone 3e
3.00	3.00	1.50

**170C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	3.00	2.00	1.50

zone 1,2e	z 2n,2r,3e	zone 3r
2.50	1.50	1.50

z 1,2e,2r	z 2n,3r	zone 3e
2.50	2.50	1.50

**180C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.50	2.50	2.00	1.50

zone 1,2e	z 2n,2r,3e	zone 3r
2.00	1.50	1.00

z 1,2e,2r	z 2n,3r	zone 3e
2.50	2.00	1.50

**190C**

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	2.50	1.50	1.00

zone 1,2e	z 2n,2r,3e	zone 3r
2.00	1.00	1.00

z 1,2e,2r	z 2n,3r	zone 3e
2.00	2.00	1.00

**Notes:**

1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 20-0331.03 and determined by linear 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 7-16 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 20 feet.
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.

#N/A

