



Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
120D

Roof Slope: 0.5:12 to 1.5:12				
	zone 1'	zone 1	zone 2	zone 3
Thickness	-21.7 psf	-38 psf	-50.2 psf	-68.5 psf
0.032"	1.50	1.50	1.50	1.50

Roof Slope: 1.5:12 to 6:12		
	z 2n,2r,3e	zone 3r
Thickness	-64.5 psf	-76.7 psf
0.032"	1.50	1.25

Roof Slope: 6:12 to 12:12		
	z 2n,3r	zone 3e
Thickness	-44.1 psf	-68.5 psf
0.032"	1.50	1.50

130D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-25.5 psf	-44.6 psf	-59 psf	-80.5 psf
0.032"	1.50	1.50	1.50	1.25

	z 2n,2r,3e	zone 3r
Thickness	-75.7 psf	-90 psf
0.032"	1.50	1.00

	z 2n,3r	zone 3e
Thickness	-51.8 psf	-80.5 psf
0.032"	1.50	1.25

140D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-29.6 psf	-51.8 psf	-68.4 psf	-93.4 psf
0.032"	1.50	1.50	1.50	1.00

	z 2n,2r,3e	zone 3r
Thickness	-87.8 psf	-104.5 psf
0.032"	1.25	1.00

	z 2n,3r	zone 3e
Thickness	-60.1 psf	-93.4 psf
0.032"	1.50	1.00

150D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-34.1 psf	-59.5 psf	-78.6 psf	-107.2 psf
0.032"	1.50	1.50	1.25	1.00

	z 2n,2r,3e	zone 3r
Thickness	-100.9 psf	-120 psf
0.032"	1.00	0.75

	z 2n,3r	zone 3e
Thickness	-69.1 psf	-107.2 psf
0.032"	1.50	1.00

160D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-38.8 psf	-67.8 psf	-89.5 psf	-122.1 psf
0.032"	1.50	1.50	1.25	0.75

	z 2n,2r,3e	zone 3r
Thickness	-114.8 psf	-136.5 psf
0.032"	0.75	0.75

	z 2n,3r	zone 3e
Thickness	-78.6 psf	-122.1 psf
0.032"	1.25	0.75

170D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-43.8 psf	-76.5 psf	-101.1 psf	-137.8 psf
0.032"	1.50	1.25	1.00	0.75

	z 2n,2r,3e	zone 3r
Thickness	-129.7 psf	-154.2 psf
0.032"	0.75	0.50

	z 2n,3r	zone 3e
Thickness	-88.8 psf	-137.8 psf
0.032"	1.25	0.75

180D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-49.2 psf	-85.8 psf	-113.3 psf	-154.6 psf
0.032"	1.50	1.25	0.75	0.50

	z 2n,2r,3e	zone 3r
Thickness	-145.4 psf	-172.9 psf
0.032"	0.75	0.50

	z 2n,3r	zone 3e
Thickness	-99.6 psf	-154.6 psf
0.032"	1.00	0.50

190D

	zone 1'	zone 1	zone 2	zone 3
Thickness	-54.8 psf	-95.7 psf	-126.3 psf	-172.2 psf
0.032"	1.50	1.00	0.75	0.50

	z 2n,2r,3e	zone 3r
Thickness	-162 psf	-192.7 psf
0.032"	N.G.	N.G.

	z 2n,3r	zone 3e
Thickness	-111 psf	-172.2 psf
0.032"	1.00	0.50

Notes:

1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 18-1227.02 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

