



Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
120C

Roof Slope: 0.5:12 to 1.5:12				
	zone 1'	zone 1	zone 2	zone 3
Thickness	-18 psf	-31.6 psf	-41.8 psf	-57 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	-53.6 psf	-63.8 psf
0.032"	1.50	1.50

Roof Slope: 6:12 to 12:12		
	z 2n,3r	zone 3e
Thickness	-36.7 psf	-57 psf
0.032"	1.50	1.50

130C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-21.2 psf	-37.1 psf	-49.1 psf	-67 psf
0.032"	1.50	1.50	1.50	1.50

	z 2n,2r,3e	zone 3r
Thickness	-63 psf	-74.9 psf
0.032"	1.50	1.50

	z 2n,3r	zone 3e
Thickness	-43.1 psf	-67 psf
0.032"	1.50	1.50

140C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-24.6 psf	-43.1 psf	-56.9 psf	-77.7 psf
0.032"	1.50	1.50	1.50	1.25

	z 2n,2r,3e	zone 3r
Thickness	-73.1 psf	-86.9 psf
0.032"	1.50	1.25

	z 2n,3r	zone 3e
Thickness	-50 psf	-77.7 psf
0.032"	1.50	1.25

150C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-28.3 psf	-49.5 psf	-65.4 psf	-89.3 psf
0.032"	1.50	1.50	1.50	1.25

	z 2n,2r,3e	zone 3r
Thickness	-84 psf	-99.9 psf
0.032"	1.50	1.00

	z 2n,3r	zone 3e
Thickness	-57.5 psf	-89.3 psf
0.032"	1.50	1.25

160C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-32.3 psf	-56.4 psf	-74.5 psf	-101.6 psf
0.032"	1.50	1.50	1.50	1.00

	z 2n,2r,3e	zone 3r
Thickness	-95.6 psf	-113.7 psf
0.032"	1.50	0.75

	z 2n,3r	zone 3e
Thickness	-65.4 psf	-101.6 psf
0.032"	1.50	1.00

170C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-36.5 psf	-63.7 psf	-84.1 psf	-114.7 psf
0.032"	1.50	1.50	1.25	0.75

	z 2n,2r,3e	zone 3r
Thickness	-107.9 psf	-128.3 psf
0.032"	1.50	0.75

	z 2n,3r	zone 3e
Thickness	-73.9 psf	-114.7 psf
0.032"	1.50	0.75

180C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-40.9 psf	-71.4 psf	-94.3 psf	-128.7 psf
0.032"	1.50	1.50	1.00	0.75

	z 2n,2r,3e	zone 3r
Thickness	-121 psf	-143.9 psf
0.032"	1.25	0.75

	z 2n,3r	zone 3e
Thickness	-82.9 psf	-128.7 psf
0.032"	1.25	0.75

190C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-45.6 psf	-79.6 psf	-105.1 psf	-143.4 psf
0.032"	1.50	1.25	1.00	0.75

	z 2n,2r,3e	zone 3r
Thickness	-134.9 psf	-160.4 psf
0.032"	1.00	0.50

	z 2n,3r	zone 3e
Thickness	-92.4 psf	-143.4 psf
0.032"	1.25	0.75

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

