



## Roof Fastener Spacing (feet)

Wind Speed (mph)  
Exposure Category

120D

Roof Slope: 0.5:12 to 1.5:12

Thickness	Field	Edge	Corner
0.032"	-24.7 psf 3.00	-41.6 psf 2.00	-62.8 psf 1.25

Roof Slope: 1.5:12 to 6:12

Field	Edge	Corner
-22.6 psf 3.00	-39.5 psf 2.25	-58.6 psf 1.50

Roof Slope: 6:12 to 12:12

Field	Edge	Corner
-24.7 psf 3.00	-28.9 psf 3.00	-28.9 psf 3.00

130D

Thickness	Field	Edge	Corner
0.032"	-29 psf 3.00	-48.9 psf 1.75	-73.7 psf 1.00

Field	Edge	Corner
-26.5 psf 3.00	-46.4 psf 1.75	-68.8 psf 1.25

Field	Edge	Corner
-29 psf 3.00	-34 psf 2.50	-34 psf 2.50

140D

Thickness	Field	Edge	Corner
0.032"	-33.7 psf 2.50	-56.8 psf 1.50	-85.6 psf 1.00

Field	Edge	Corner
-30.8 psf 2.75	-53.9 psf 1.50	-79.8 psf 1.00

Field	Edge	Corner
-33.7 psf 2.50	-39.5 psf 2.25	-39.5 psf 2.25

150D

Thickness	Field	Edge	Corner
0.032"	-38.7 psf 2.25	-65.2 psf 1.25	-98.3 psf 0.75

Field	Edge	Corner
-35.4 psf 2.50	-61.9 psf 1.25	-91.7 psf 0.75

Field	Edge	Corner
-38.7 psf 2.25	-45.4 psf 1.75	-45.4 psf 1.75

160D

Thickness	Field	Edge	Corner
0.032"	-44.1 psf 2.00	-74.2 psf 1.00	-111.9 psf 0.75

Field	Edge	Corner
-40.3 psf 2.00	-70.5 psf 1.25	-104.3 psf 0.75

Field	Edge	Corner
-44.1 psf 2.00	-51.6 psf 1.50	-51.6 psf 1.50

170D

Thickness	Field	Edge	Corner
0.032"	-49.8 psf 1.75	-83.8 psf 1.00	-126.3 psf 0.50

Field	Edge	Corner
-45.6 psf 1.75	-79.6 psf 1.00	-117.8 psf 0.75

Field	Edge	Corner
-49.8 psf 1.75	-58.3 psf 1.50	-58.3 psf 1.50

180D

Thickness	Field	Edge	Corner
0.032"	-55.9 psf 1.50	-94 psf 0.75	-141.6 psf 0.50

Field	Edge	Corner
-51.1 psf 1.75	-89.2 psf 1.00	-132.1 psf 0.50

Field	Edge	Corner
-55.9 psf 1.50	-65.4 psf 1.25	-65.4 psf 1.25

190D

Thickness	Field	Edge	Corner
0.032"	-62.3 psf 1.25	-104.8 psf 0.75	-157.8 psf 0.50

Field	Edge	Corner
-57 psf 1.50	-99.5 psf 0.75	-147.2 psf 0.50

Field	Edge	Corner
-62.3 psf 1.25	-72.9 psf 1.00	-72.9 psf 1.00

**Notes:**

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.1 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.

2. 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.

3. 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.

- 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"

