



16" Magna-Loc on 19/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category

120C

Roof Slope: 0.5:12 to 1.5:12			
Thickness	Field	Edge	Corner
24 ga	2.33	2.33	2.33

Roof Slope: 1.5:12 to 6:12		
Field	Edge	Corner
-18.4 psf 2.33	-32.7 psf 2.33	-48.7 psf 2.33

Roof Slope: 6:12 to 12:12		
Field	Edge	Corner
-20.2 psf 2.33	-23.8 psf 2.33	-23.8 psf 2.33

130C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	2.33

Field	Edge	Corner
-21.8 psf 2.33	-38.5 psf 2.33	-57.2 psf 2.33

Field	Edge	Corner
-23.9 psf 2.33	-28 psf 2.33	-28 psf 2.33

140C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	2.33

Field	Edge	Corner
-25.4 psf 2.33	-44.7 psf 2.33	-66.5 psf 2.33

Field	Edge	Corner
-27.8 psf 2.33	-32.6 psf 2.33	-32.6 psf 2.33

150C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	2.33

Field	Edge	Corner
-29.2 psf 2.33	-51.5 psf 2.33	-76.4 psf 2.33

Field	Edge	Corner
-32 psf 2.33	-37.6 psf 2.33	-37.6 psf 2.33

160C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	2.33

Field	Edge	Corner
-33.4 psf 2.33	-58.6 psf 2.33	-87.1 psf 2.33

Field	Edge	Corner
-36.5 psf 2.33	-42.9 psf 2.33	-42.9 psf 2.33

170C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	1.67

Field	Edge	Corner
-37.8 psf 2.33	-66.3 psf 2.33	-98.4 psf 2.00

Field	Edge	Corner
-41.3 psf 2.33	-48.5 psf 2.33	-48.5 psf 2.33

180C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	0.67

Field	Edge	Corner
-42.4 psf 2.33	-74.4 psf 2.33	-110.4 psf 1.33

Field	Edge	Corner
-46.4 psf 2.33	-54.4 psf 2.33	-54.4 psf 2.33

190C

Thickness	Field	Edge	Corner
24 ga	2.33	2.33	1.00*

Field	Edge	Corner
-47.4 psf 2.33	-83 psf 2.33	-123.1 psf 0.67

Field	Edge	Corner
-51.8 psf 2.33	-60.7 psf 2.33	-60.7 psf 2.33

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.6 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"

