



# 16" Magna-Loc on 19/32" Plywood

## Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.5:12	Roof Slope: 1.5:12 to 6:12	Roof Slope: 6:12 to 12:12
120C	Thickness 24 ga	Field 2.33, Edge -34.4 psf, Corner -52.2 psf	Field 2.33, Edge -32.7 psf, Corner -48.7 psf
			Field 2.33, Edge -23.8 psf, Corner -23.8 psf
130C	Thickness 24 ga	Field 2.33, Edge -40.5 psf, Corner -61.4 psf	Field 2.33, Edge -38.5 psf, Corner -57.2 psf
			Field 2.33, Edge -23.9 psf, Corner -23.8 psf
140C	Thickness 24 ga	Field 2.33, Edge -47.1 psf, Corner -71.3 psf	Field 2.33, Edge -44.7 psf, Corner -66.5 psf
			Field 2.33, Edge -27.8 psf, Corner -32.6 psf
150C	Thickness 24 ga	Field 2.33, Edge -54.2 psf, Corner -82 psf	Field 2.33, Edge -51.5 psf, Corner -76.4 psf
			Field 2.33, Edge -32 psf, Corner -37.6 psf
160C	Thickness 24 ga	Field 2.33, Edge -61.8 psf, Corner -93.4 psf	Field 2.33, Edge -58.6 psf, Corner -87.1 psf
			Field 2.33, Edge -36.5 psf, Corner -42.9 psf
170C	Thickness 24 ga	Field 2.33, Edge -69.9 psf, Corner -105.5 psf	Field 2.33, Edge -66.3 psf, Corner -98.4 psf
			Field 2.33, Edge -41.3 psf, Corner -48.5 psf
180C	Thickness 24 ga	Field 2.33, Edge -78.4 psf, Corner -118.4 psf	Field 2.33, Edge -74.4 psf, Corner -110.4 psf
			Field 2.33, Edge -46.4 psf, Corner -54.4 psf
190C	Thickness 24 ga	Field 2.33, Edge -87.5 psf, Corner -132 psf	Field 2.33, Edge -83 psf, Corner -123.1 psf
			Field 2.33, Edge -51.8 psf, Corner -60.7 psf

**Notes:**

- 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.
- 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.
- 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"