



16" Magna-Loc 180 on 16 ga Purlins

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		
	Thickness	Field	Edge	Corner	Field	Edge	Corner	Field	Edge	Corner
120C	24 ga	5.00	5.00	3.67	5.00	5.00	4.00	5.00	5.00	5.00
		-20.2 psf	-34.4 psf	-52.2 psf	-18.4 psf	-32.7 psf	-48.7 psf	-20.2 psf	-23.8 psf	-23.8 psf
130C	24 ga	5.00	4.67	3.00	5.00	5.00	3.33	5.00	5.00	5.00
		-23.9 psf	-40.5 psf	-61.4 psf	-21.8 psf	-38.5 psf	-57.2 psf	-23.9 psf	-28 psf	-28 psf
140C	24 ga	5.00	4.00	2.67	5.00	4.33	2.67	5.00	5.00	5.00
		-27.8 psf	-47.1 psf	-71.3 psf	-25.4 psf	-44.7 psf	-66.5 psf	-27.8 psf	-32.6 psf	-32.6 psf
150C	24 ga	5.00	3.33	2.33	5.00	3.67	2.33	5.00	5.00	5.00
		-32 psf	-54.2 psf	-82 psf	-29.2 psf	-51.5 psf	-76.4 psf	-32 psf	-37.6 psf	-37.6 psf
160C	24 ga	5.00	3.00	2.00	5.00	3.33	2.00	5.00	4.33	4.33
		-36.5 psf	-61.8 psf	-93.4 psf	-33.4 psf	-58.6 psf	-87.1 psf	-36.5 psf	-42.9 psf	-42.9 psf
170C	24 ga	4.67	2.67	1.33	5.00	2.67	1.67	4.67	4.00	4.00
		-41.3 psf	-69.9 psf	-105.5 psf	-37.8 psf	-66.3 psf	-98.4 psf	-41.3 psf	-48.5 psf	-48.5 psf
180C	24 ga	N.G.	N.G.	N.G.	4.33	2.33	1.33	4.00	3.33	3.33
		-46.4 psf	-78.4 psf	-118.4 psf	-42.4 psf	-74.4 psf	-110.4 psf	-46.4 psf	-54.4 psf	-54.4 psf
190C	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.67	3.00	3.00
		-51.8 psf	-87.5 psf	-132 psf	-47.4 psf	-83 psf	-123.1 psf	-51.8 psf	-60.7 psf	-60.7 psf

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.6 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.

N.G. indicates the panel is not recommended for this application.

- 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"

