



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
120D	24 ga	5.00	4.67	3.00	5.00	5.00	3.33	5.00	5.00	5.00
		-24.2 psf	-41.2 psf	-62.3 psf	-22.1 psf	-39 psf	-58.1 psf	-24.2 psf	-28.5 psf	-28.5 psf
130D	24 ga	5.00	4.00	2.67	5.00	4.00	2.67	5.00	5.00	5.00
		-28.6 psf	-48.4 psf	-73.3 psf	-26.1 psf	-46 psf	-68.3 psf	-28.6 psf	-33.5 psf	-33.5 psf
140D	24 ga	5.00	3.33	2.00	5.00	3.67	2.33	5.00	5.00	5.00
		-33.2 psf	-56.3 psf	-85.1 psf	-30.4 psf	-53.4 psf	-79.4 psf	-33.2 psf	-39 psf	-39 psf
150D	24 ga	5.00	3.00	2.00	5.00	3.00	2.00	5.00	4.33	4.33
		-38.3 psf	-64.7 psf	-97.8 psf	-35 psf	-61.4 psf	-91.2 psf	-38.3 psf	-44.9 psf	-44.9 psf
160D	24 ga	4.33	2.67	1.00	4.67	2.67	1.67	4.33	3.67	3.67
		-43.7 psf	-73.8 psf	-111.4 psf	-39.9 psf	-70 psf	-103.9 psf	-43.7 psf	-51.2 psf	-51.2 psf
170D	24 ga	N.G.	N.G.	N.G.	4.33	2.33	1.00	4.00	3.33	3.33
		-49.4 psf	-83.4 psf	-125.4 psf	-45.1 psf	-79.1 psf	-117.4 psf	-49.4 psf	-57.9 psf	-57.9 psf
180D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.33	3.00	3.00
		-55.5 psf	-93.6 psf	-141.2 psf	-50.7 psf	-88.8 psf	-131.7 psf	-55.5 psf	-65 psf	-65 psf
190D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.00	2.67	2.67
		-61.9 psf	-104.3 psf	-157.4 psf	-56.6 psf	-99 psf	-146.8 psf	-61.9 psf	-72.5 psf	-72.5 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"

