



16" Magna-Loc 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	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		-24.2 psf	-27.3 psf	-41.5 psf	-22.1 psf	-25.9 psf	-38.7 psf	-24.2 psf	-18.8 psf	-18.8 psf
130D	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		-28.6 psf	-32.2 psf	-48.9 psf	-26.1 psf	-30.5 psf	-45.5 psf	-28.6 psf	-22.2 psf	-22.2 psf
140D	24 ga	5.00	5.00	4.33	5.00	5.00	4.67	5.00	5.00	5.00
		-33.2 psf	-37.5 psf	-56.8 psf	-30.4 psf	-35.5 psf	-52.9 psf	-33.2 psf	-25.9 psf	-25.9 psf
150D	24 ga	5.00	5.00	3.67	5.00	5.00	4.00	5.00	5.00	5.00
		-38.3 psf	-43.1 psf	-65.3 psf	-35 psf	-40.9 psf	-60.9 psf	-38.3 psf	-29.8 psf	-29.8 psf
160D	24 ga	5.00	5.00	3.33	5.00	5.00	3.67	5.00	5.00	5.00
		-43.7 psf	-49.2 psf	-74.4 psf	-39.9 psf	-46.7 psf	-69.3 psf	-43.7 psf	-34 psf	-34 psf
170D	24 ga	5.00	4.33	3.00	5.00	4.67	3.00	5.00	5.00	5.00
		-49.4 psf	-55.6 psf	-84.1 psf	-45.1 psf	-52.8 psf	-78.4 psf	-49.4 psf	-38.5 psf	-38.5 psf
180D	24 ga	4.33	4.00	2.67	5.00	4.00	2.67	4.33	5.00	5.00
		-55.5 psf	-62.4 psf	-94.3 psf	-50.7 psf	-59.2 psf	-88 psf	-55.5 psf	-43.3 psf	-43.3 psf
190D	24 ga	4.00	3.33	2.33	4.33	3.67	2.33	4.00	5.00	5.00
		-61.9 psf	-69.7 psf	-105.2 psf	-56.6 psf	-66.1 psf	-98.1 psf	-61.9 psf	-48.3 psf	-48.3 psf

Notes:

- Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.5 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"