



# Seam-Loc 24 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	4.33	5.00	5.00	4.67	5.00	5.00	5.00
		-24.3 psf	-27.4 psf	-41.6 psf	-22.2 psf	-26 psf	-38.8 psf	-24.3 psf	-18.9 psf	-38.8 psf
130D	24 ga	5.00	5.00	3.67	5.00	5.00	4.00	5.00	5.00	5.00
		-28.7 psf	-32.3 psf	-48.9 psf	-26.2 psf	-30.6 psf	-45.6 psf	-28.7 psf	-22.3 psf	-18.9 psf
140D	24 ga	5.00	5.00	3.00	5.00	5.00	3.33	5.00	5.00	5.00
		-33.3 psf	-37.6 psf	-56.9 psf	-30.5 psf	-35.6 psf	-53 psf	-33.3 psf	-26 psf	-26 psf
150D	24 ga	4.67	4.33	2.33	5.00	4.33	2.67	4.67	5.00	5.00
		-38.4 psf	-43.2 psf	-65.4 psf	-35.1 psf	-41 psf	-61 psf	-38.4 psf	-29.9 psf	-29.9 psf
160D	24 ga	N.G.	N.G.	N.G.	4.67	4.00	2.00	4.00	5.00	5.00
		-43.8 psf	-49.3 psf	-74.5 psf	-40 psf	-46.7 psf	-69.4 psf	-43.8 psf	-34.1 psf	-34.1 psf
170D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.67	4.67	4.67
		-49.5 psf	-55.7 psf	-84.2 psf	-45.2 psf	-52.9 psf	-78.5 psf	-49.5 psf	-38.6 psf	-38.6 psf
180D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.33	4.33	4.33
		-55.5 psf	-62.5 psf	-94.4 psf	-50.8 psf	-59.3 psf	-88.1 psf	-55.5 psf	-43.4 psf	-43.4 psf
190D	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	2.67	3.67	3.67
		-62 psf	-69.7 psf	-105.3 psf	-56.7 psf	-66.2 psf	-98.2 psf	-62 psf	-48.4 psf	-48.4 psf

**Notes:**

- Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.8 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.

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"