



16" Magna-Loc on 22 ga Steel Deck

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
110D

Roof Slope: 0.5:12 to 1.47:12				
Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	4.00	4.00	3.67

Roof Slope: 1.48:12 to 6.11:12		
zone 1,2e	z 2n,2r,3e	zone 3r
4.00	3.67	3.00

Roof Slope: 6.12:12 to 12:12		
z 1,2e,2r	z 2n,3r	zone 3e
4.00	4.00	3.67

120D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	4.00	4.00	3.00

zone 1,2e	z 2n,2r,3e	zone 3r
4.00	3.00	2.67

z 1,2e,2r	z 2n,3r	zone 3e
4.00	4.00	3.00

130D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	4.00	3.33	2.33

zone 1,2e	z 2n,2r,3e	zone 3r
4.00	2.67	2.33

z 1,2e,2r	z 2n,3r	zone 3e
4.00	4.00	2.33

140D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	4.00	3.00	2.00

zone 1,2e	z 2n,2r,3e	zone 3r
3.33	2.33	2.00

z 1,2e,2r	z 2n,3r	zone 3e
3.67	3.33	2.00

150D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	3.33	2.67	1.67

zone 1,2e	z 2n,2r,3e	zone 3r
3.00	2.00	1.33

z 1,2e,2r	z 2n,3r	zone 3e
3.33	3.00	1.67

160D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	3.00	2.33	1.00

zone 1,2e	z 2n,2r,3e	zone 3r
2.67	1.33	0.67

z 1,2e,2r	z 2n,3r	zone 3e
2.67	2.67	1.00

170D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	2.67	2.00	0.67

zone 1,2e	z 2n,2r,3e	zone 3r
2.33	1.00	1.00*

z 1,2e,2r	z 2n,3r	zone 3e
2.33	2.33	0.67

180D

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	4.00	2.33	1.33	1.00*

zone 1,2e	z 2n,2r,3e	zone 3r
N.G.	N.G.	N.G.

z 1,2e,2r	z 2n,3r	zone 3e
2.33	2.00	1.00*

Notes:

- Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 18-0919.02 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.
- Allowable spacing is based on an applied load determined using ASCE 7-16 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 20 feet.
- Allowable spacing is determined for wind suction using the pressures shown, resulting from the combination $0.6DL + 0.6W$. Also considered is the inward wind pressure, 20 psf live load and the weight of the panel.

* - Indicates that MPW-1203-8 Clip are required in this zone.

