



SENTRIGARD

METAL SYSTEMS

MECHANICAL LOCK

ARCHITECTURAL STANDING SEAM ROOFING SYSTEM

ML200 2" MECHANICAL LOCK PANEL



Architectural and structural standing seam metal roofing system. Commercial profile for multiple deck and slope applications.

- › Minimum slope = 1/2":12"
- › Solid substrate or open framing (max. 5' OC)
- › Structural, hydrostatic panel
- › Weather tight warranty available

12"-18" NOMINAL

2"

PANEL PERFORMANCE

Material	Panel Configuration		HVHZ (psf)	Non-HVHZ (psf)
032 Aluminum	18in wide panel (max) - 5/8" plywood deck - 3 3/4" standard clip (fixed) - Expansion Clip 24ga top and 18ga base	180d Seam	FBC 46113.3 R4	FBC 46115.3 R4
			- 36" OC: -71psf - 24" OC: -138.5psf - 6" OC: -176psf	
24ga Steel			FBC 46113.4 R4	FBC 46115.4 R4
			- 36" OC: -93.5psf - 24" OC: -119.75psf - 6" OC: -198.5psf	- 36" OC: -93.5psf - 24" OC: -131psf - 6" OC: -198.5psf
032 Aluminum	18 7/8in wide panel (max) - 22ga steel deck - 1/2" Coverboard (min) - 3/4" to 4" rigid insulation - 3" standard clip (Non-HVHZ) - Expansion Clip 22ga top and 22ga base	180d Seam	FBC 42672.2	
			-36" OC: -71psf - 24"OC: -138.5psf	
24ga Steel			FBC 42672.1	FBC 40560.5 R3
			-36" OC: -71psf - 24"OC: -138.5psf	- 24" OC: -71psf - 12" OC: -81psf
24ga Steel	- 16ga steel purlins -3" rigid insulation (max) - 6" compressible blanket insulation - Expansion Clip 22ga top and 22ga base	180d Seam	Coming Soon	FBC 42673.1
				16in wide panel (max) Support Spacing (max) Triple Span Condition 60" OC: -36psf 24" OC: -83.8psf
				FBC 42673.2 18 7/8in wide panel (max) Support Spacing (max) Triple Span Condition 60" OC: -37psf 12" OC: -117.1psf

FEATURES:

- › Ideal for residential and commercial applications
- › Mechanical locked seam for weather tight performance
- › 35 year finish warranty on Kynar 500 finish
- › Underlayment and solid substrate required
- › Panel width from 12"-18" Nominal Width please consult for other availabilities
- › Minimum Slope – 1/2":12"
- › Specially designed clip allows thermal movement

MATERIALS:

- › 24 and 26 gauge* Galvalume®
- › .032" aluminum
- › 16oz copper

TESTING:

Sentrigard™ panel assemblies have passed extensive testing to ensure optimal performance in a wide range of conditions. This includes the rigorous High Velocity Hurricane Zone (HVHZ) performance criteria that tests for both wind uplift and air and water infiltration.

TEST REPORT SUMMARY:

- › Miami Dade Building Code Compliance Approved
- › Florida Building Code 2023
- › Testing per TAS 125-03 Std. Requirements for Metal Roof Systems
- › Testing per TAS 100 Wind Driven Rain Test
- › Test Assembly #6 by Underwriters Laboratory for:
 - › a) UL 580-94, per FBC, Uplift Resistance of Roof Assemblies
 - › b) UL 1897-98, per FBC, Uplift Tests for Roof Covering Systems
- › Class 4 Impact: UL2218
- › Class A fire: E108