FLATIRON STEEL

MECHANICAL LOCK

2" Mechanical Lock Panel SS200

1.5" Mechanical Lock Panel SS150

www.FLATiRONsteel.com
**MATERIAL SPECIFICATIONS**

Refer to Trim Pamphlet for Material Availability

1.5” Mechanical Lock Panel SS150

Available Widths:
1.5” Mechanical Lock: 12”, 16”, 20”
2” Mechanical Lock: 14.1875” & 18.1875”

Available Gauges: 22, 24, & 26

Weight: 1.25lbs/SqFt (22), 1.00lbs/SqFt (24), .75lbs/SqFt (26)

Substrate: AZ-50, Grade D, 50,000ksi

Available Materials: Painted, Galvalume, ReziBond®, Core-Ten™, Cold Roll, 16 & 20 oz Copper

Paint Systems: Durapon70™ PVDF, ULTRA CLAD™ Kynar500®/Hylar5000®

Warranties: Durapon70™ PVDF – 35 year
ULTRA-CLAD™ - 35 year
Zincalume® AZ50 – 20 year

Production Options: Either factory made to length with protective film to ensure damage free transport or rolled to length on site*  
**On site production is subject to order minimums**

Panel Options: Flat Panel, Striations, or Pencil Ribs

Testing For 2” Mechanical:

- UL 580 Wind Uplift (Class 90)
- UL 2218 Class 4 Hail Impact
- UL 790 Class A Fire Rating

Please Note: It is the responsibility of the builder to ensure that they are compliant with current building codes.

**Flatiron Steel is neither partially or soley responsible for improper installation or defects as a result of installation**

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**APPLICATION DETAILS:**

1.5” Mechanical Lock Panel

Installation: Can be installed on solid wood decking  
**Minimum Slope:** 2:12

2” Mechanical Lock Panel

Installation: Can be installed over open frame steel purlins, steel decking, steel decking with polyiso board, or solid wood decking  
**Minimum Slope:** 5:12

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**LOAD TABLES**

Refer to Trim Pamphlet for Material Availability

| Inward Load Table (psf): Deflection Ratio 1/180 |
| Span (”) | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 |
| 24 ga x 16” | 251 | 201 | 145 | 108 | 83 | 66 | 53 |

| Outward Load Table (psf): Deflection Ratio 1/180 |
| Span (”) | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 |
| 24 ga x 16” | 106 | 95 | 83 | 72 | 60 | 49 | 37 |

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**Full 360° Seam**

**Unseamed Profile View**