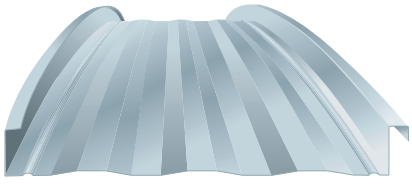
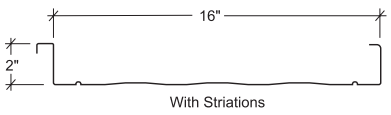
STANDING SEAM METAL ROOFING

CURVED BATTENLOK®

When your roof calls for a curved standing seam metal roof, Curved BattenLok® is an ideal choice. The Curved BattenLok® profile is a water shedding, curved standing seam metal roof system with a 2-inch tall standing seam that is field-seamed during the installation process. Striations are standard and added for aesthetic value.

Curved BattenLok® may be curved to a minimum radius of 20 feet. Curved BattenLok® is a structural roofing panel and may be installed directly over purlins or joists. This curved standing seam metal roof system also may be installed over wood decks and metal decks with rigid insulation. Open framing applications eliminate costly curved deck surfaces and membrane underlayments. For large projects and/or long panels, the curving process for the curved standing seam metal roof system may best be accomplished at the job site.





Features and Benefits:

- Open framing applications eliminate costly curved deck surfaces and membrane underlayments.
- Low and high clips are available to allow for various thicknesses of insulation to be installed between the panels and purlins.
- Numerous UL 580 Construction ratings are available, as well as UL 790, Class A for external fire, numerous roof assemblies for UL 263 for internal fire and the UL 2218 Class 4 impact rating.

Product Specifications

- **Applications:** Roof
- **Coverage Widths:** 16"
- **Panel Attachment:** Concealed Fastening System; Low, High (fixed or floating), Utility (no insulation clearance)
- **Gauges:** 24 (standard)
- **Finishes:** Smooth Striated (standard)
- **Coatings:** Galvalume Plus®, Signature® 200, Signature® 300

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CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Air leakage Through Roof Panel Joints	ASTM E1680	Determines the air leakage characteristics of metal roof panels under specified air pressure differences at ambient conditions	0.004 cfm/ft² at 1.57 psf static pressure 0.006 cfm/ft² at 6.24 psf static pressure
	Water Penetration Through Roof Panel Joints	ASTM E1646	Determines the resistance to water penetration of metal roof panels under uniform static air pressure difference	No uncontrolled water penetration through the panel joints at a static pressure of 25.00 psf
	Impact Resistance	UL 2218	Determines Impact Resistance of prepared Roof Covering Materials	Class 4 Rating
FIRE RESISTANCE	Room Fire Performance	UL 790	Standard for Standard Test Methods for Fire Tests of Roof Coverings	See Class A Fire Rating Data Sheet
	Room Fire Performance	UL 263	Standard for Fire Tests of Building Construction and Materials	"For use in Design Nos. P225, P227, P230, P237, P265, P268, P508, P510, P512, P701, P711, P720, P722, P726, P731, P734, P801, P815, P819.
STRUCTURAL	Uplift Resistance	ASTM E 1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	See Load Chart Section
	Gravity Loads	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
ROOF LISTINGS	Roof Performance -Underwriters Laboratories	UL 580	Determines the uplift resistance of roof assemblies consisting of the roof and roof coverings materials	Class 90 Rating - Construction Number 576, 577 and 583.