



1" Mechanically field seamed, high strength Standing Seam Roof System.

ML-100

1 MECHANICAL LOCK



The Mechanical Lock features a structural performance and architectural aesthetic in ML-100 (1" High). The ML-100 can be manufactured on job sites for various substrates. Concealed fasteners with a fixed floating clip system reduce the effect of thermal stresses on the ML-100 panel system, helping to maintain a unique smooth, uniform appearance despite fluctuations in temperature.

ML-100 is a mechanically seamed, vertical leg standing seam roof system that combines a 1" tall slim rib with exceptional uplift resistance. It is available in 21-inch max width.

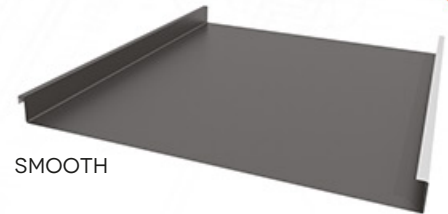
ML-100 has been designed to withstand the most rigorous weather conditions.

FEATURES

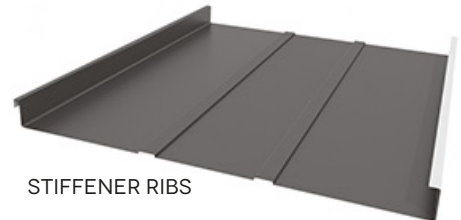
- 24 GA steel.
- Colors available on standard, premium and metallic.
- Curved available.
- On site or factory made.
- Available in smooth, striated and stiffener ribs.
- UL Construction Number: TGKX575, TGKX602.
- Uplift resistance of prepared roof-covering materials UL 580 Class90.
- Impact resistance of prepared roof-covering materials UL2218 Class 4.
- Fire tests of roof coverings UL 790. Class A, B, C. External fire exposure.
- TDI Approved.

PRODUCT SPECIFICATIONS

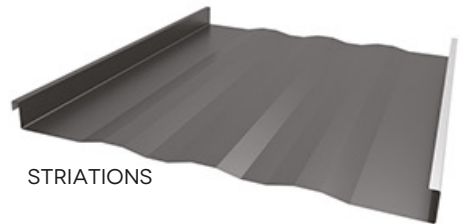
- **Applications:** Roof and Wall
- **Coverage Widths:** 21" Max.
- **Minumum Slope:** 1/2:12
- **Panel Attachment:** Standing Seam System, clip fixed.
- **Gauges:** 24 (standard), 22 and 26 (optional)
- **Coatings:** Galvalume®, Storm Armor (Durapon 70®, Ceranamel®).
- **Substructure:** Plywood or OSB to be a nominal 5/8 inch thick.



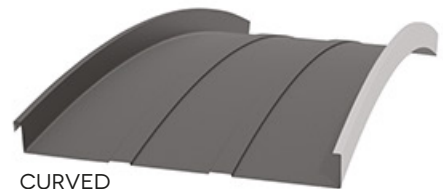
SMOOTH



STIFFENER RIBS



STRIATIONS



CURVED



STANDING
SEAM
ROOF SYSTEMS

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1 MECHANICAL LOCK



CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Impact Resistance	UL 2218	Determines Impact Resistance of prepared Roof Covering Materials	CLASS 4 RAITING
FIRE RESISTANCE	Room Fire Performance	UL 790	Standard for Standard Test Methods for Fire Tests of Roof Coverings	CLASS A FIRE RATING
	Room Fire Performance	UL 263	Standard for Standard Test Methods for Fire Tests of Roof Coverings	For use in Design Nos. TGKX575, TGKX602



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