



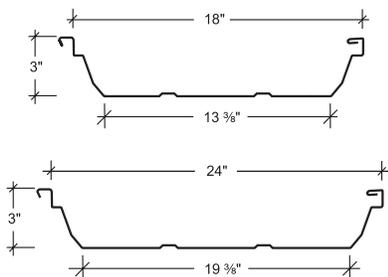
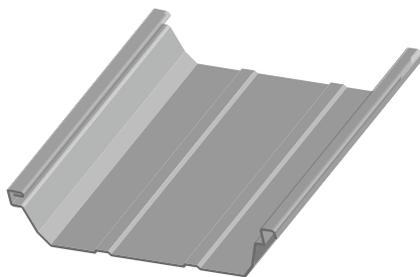
STANDING SEAM
METAL ROOFING

DOUBLE-LOK®

Note: Produced on-site at select locations as TS-324 panel.

The Double-Lok® roof panel is a mechanically field-seamed, trapezoidal leg standing seam roof system ideal for industrial, commercial and architectural applications.

Designed to cope with the forces of expansion and contraction, 2" and 4" sliding clips are available in high and low versions. This allows the panels to cope with the forces of expansion and contraction by freely move up and down the roof slope.



PRODUCT SPECIFICATIONS

Applications: Roof

Coverage Widths: 18", 24"

Minimum Slope: ¼:12

Panel Attachment: Concealed Fastening System; Low, High, and 2" Stand Off Sliding Clips

Gauges: 24 and 22

Finishes: Smooth (standard); Embossed (optional)

Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

STANDING SEAM METAL ROOFING

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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	0.013 cfm/ft2 at 6.24 psf static pressure 0.020 cfm/ft2 at 12.00 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 12.00 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. Requires installation over a non-combustible substrate to qualify for Class A rating. Installation over a combustible substrate qualifies for Class C rating.	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 FM Global	FM 4471	Sets performance standards for panel roofs including uplift resistance	See FM Engineering Tech Bulletin
	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 165, 180C, 287, 308A, 450, 538, 539 and 540.
	Roof Performance Miami-Dade County	TAS 125 TAS 201 TAS 100 FM 4471 App. G	The Product Control Approval System establishes a protocol to evaluate the standards of products used in construction in Miami-Dade County. Miami-Dade County, with its inclusion in the High Velocity Hurricane Zone (HVHZ) has the most stringent code requirements of the Florida Building Code. Therefore, all products that comprise the structure's building envelope – doors, shutters, windows, prefabricated buildings and truss plates – require the issuance of an approval in order to be used for construction in Miami-Dade County	See NOA # 21-0615.07
	Roof Performance Florida Approval	ASTM E 1592 FM 4471 UL 790	Florida product approval is the approval of products and systems, which comprise the building envelope and structural frame, for compliance with the structural requirements of the Florida Building Code.	See FL# 42382.1
	Roof Performance - Texas Department of Insurance	ASTM E 1592	TWIA provides windstorm and hail insurance in areas exposed to hurricanes and currently provides windstorm and hail coverage in the following 14 "first tier" Texas coastal counties: Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kenedy, Kleberg, Matagorda, Nueces, Refugio, San Patricio and Willacy.	See RC-520

* New Fortify Building Solutions manufacturing facilities may be in process of obtaining UL compliance. Please notify your Sales Representative prior to placing an order if UL is required to ensure your material is manufactured in the appropriate facility.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, Fortify Building Solutions reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at fortifybuildingsolutions.com. Application details are for illustration purposes only and may not be appropriate for all environmental conditions, building designs or panel profiles. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. If there is a conflict between this manual and project erection drawings, the erection drawings will take precedence.

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