

Standing Seam Roof System

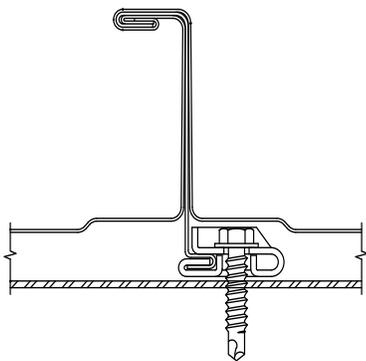
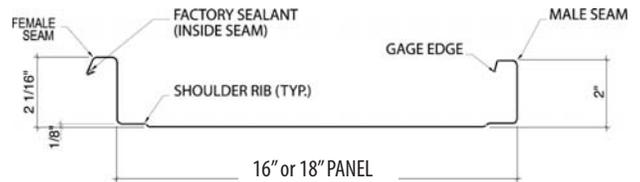
Platinum Series

PERFORMANCE, BEAUTY & VALUE

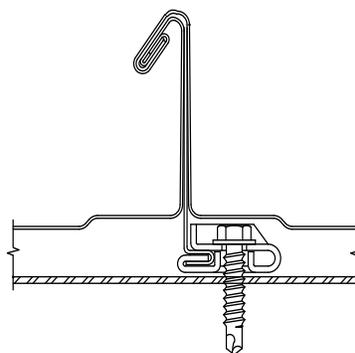
Rigid's Platinum Series is a revolutionary patented standing seam roof system that incorporates two unique seams. The Triple-Lok seam for normal wind speeds and the Quad-Lok for coastal areas and other high wind speed zones.

The Platinum Series incorporates a double seam, double hook side lap design to resist seam failure between supports and side lap unfurling and unzipping. It is a roof system with tremendous strength designed to withstand the most strenuous uplift testing and highest velocity wind speeds. Combine that with its aesthetic appeal which is a favorite of architects and building owners alike, and you have an unsurpassed panel in look and quality.

Available in all of Rigid's Spectralite 3000 Fluoropon 70%, Kynar 500/Hylar 5000 colors. The Platinum Series offers you a wide range of colors to enhance the beauty of your project and give you unsurpassed coating performance for continued beauty year after year.



Triple-Lok



Quad-Lok

The Platinum Series Roof System is an excellent platform for Rigid's Solar Applications.

Ask how your building can be

Solar Ready

INNOVATION • NEW TECHNOLOGY • BETTER PRODUCTS • GLOBAL REACH



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Platinum Series Standing Seam Roof System

Utilizing a unique patented seam design that offers two lock seam features. The Triple-Lok and Quad-Lok. A revolutionary innovation that provides unparalleled performance from one profile.

The **Triple-Lok** seam is accomplished by seaming the entire seam with an electrical seamer: This seam will provide an allowable winds uplift loading of 44.9 psf.*

1. It is the only seam on the market to use the 360° + 90° seam, which:

-structurally isolates the seam from the effects of severe wind loading by placing load resisting bends between the seam and clip hook and the stresses of panel deflection.

-isolates the seam sealant from dislodgment or separation during severe wind loading, thereby assuring a water resistant seam throughout the life of the roof.

2. Fool-proof installation: all that is required is the placement of the electrical seaming machine on the seam to begin the seaming process. It's virtually impossible for the seamer to run off the seam until it comes to the end of the panel or is removed by the operator.

The **Quad-Lok** seam is accomplished by seaming special roof zones with an electrical seam, when required. This seam will provide an allowable uplift load of 56.7 psf*, (or 94.5 psf over 2'6" purlin spacing). By using the Quad-Lok seam, the perimeter conditions of roofs in high wind coastal locations can resist wind loads without exterior clamps and brackets that most other roof systems require to meet the Zone III uplift loads. The Quad-Lok seam is the only seam on the market that provides higher uplift resistance with 24 gauge panel than all other roof systems using 22 gauge panels.

The following recognized certifications and listings have been earned:

Factory Mutual Research Corporation (FMRC) Standard 4471:

- Windstorm Class 1-90 (Assembly # 79110-0-0) for 16" wide panels
- Windstorm Class 1-90 (Assembly # 79111-0-0) for 18" wide panels

Underwriters Laboratories UL-90 Classification Construction No. 506

ASTM E 1592 Uplift Test (two tests each span each gauge)

ASTM E 1680 Air Infiltration

ASTM E 1645 Water Leakage

ASTM E108 Class A Spread of Flame Test and Series of Hail Tests Class 1-SH

CORPORATE HEADQUARTERS

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The roof system utilizing the Panel Craft panel system's technology as been tested and certified by independent testing agencies and laboratories and has achieved the loads and listings shown below.

Factory Mutual 4471 Triple-Lok Test Results.

Rigid Global Buildings roof with Triple-Lok or Quad-Lok seam.

FM Rating	Panel Width	Panel Ga.	Purlin Size	Purlin Ga.	Purlin Spacing
1-90	16"	24 ga.	8"	16 ga.	5' 0"
1-90	18"	24 ga.	8"	16 ga.	5' 0"
1-165	16"	22 ga.	8"	16 ga.	2' 6"
1-165	18"	22 ga.	8"	16 ga.	2' 6"

Underwriters Laboratories Inc. Construction No. 506, 506A, 506B

Rigid Global Buildings roof with Triple-Lok and Quad-Lok seam.

UL construction No. 506

Rigid Global Buildings roof with Triple-Lok over purlins

UL Listing	Panel Width	Panel Ga.	Seam Type	Purlin Ga.	Purlin Spacing
UL-90	12"	24 ga.	Triple-Lok	16 ga.	5' 0"
UL-90	16"	24 ga.	Triple-Lok	16 ga.	5' 0"
UL-90	18"	24 ga.	Triple-Lok	16 ga.	5' 0"

UL construction No. 506A

Rigid Global Buildings roof with Triple-Lok over Steel Deck.

UL Listing	Panel Width	Panel Ga.	Seam Type	Purlin Ga.	Purlin Spacing
UL-90	12"	24 ga.	Triple-Lok	16 ga.	5' 0"
UL-90	16"	24 ga.	Triple-Lok	16 ga.	5' 0"
UL-90	18"	24 ga.	Triple-Lok	16 ga.	5' 0"

UL construction No. 506B

Rigid Global Buildings roof with Triple-Lok over Wood Deck.

UL Listing	Panel Width	Panel Ga.	Seam Type	Purlin Ga.	Purlin Spacing
UL-90	12"	24 ga.		16 ga.	5' 0"
UL-90	16"	24 ga.		16 ga.	5' 0"
UL-90	18"	24 ga.		16 ga.	5' 0"

ASTM E 1592 Uplift Test Results

Rigid Global Buildings roof with Triple-Lok seam.

Purlin Spacing	Panel Width	Panel Ga.	Design Load	AISI CF00-I (sf=1.724)
2' 6"	18"	22 ga.	94.5	
5' 0"	18"	22 ga.	63.0	
2' 6"	18"	24 ga.	82.7	
5' 0"	18"	24 ga.	44.9	
2' 6"	16"	22 ga.	104.0	
5' 0"	16"	22 ga.	66.2	
2' 6"	16"	24 ga.	79.4	
5' 0"	16"	24 ga.	48.1	

ASTM E 1592 Uplift Test Results

Rigid Global Buildings roof with Quad-Lok seam.

Purlin Spacing	Panel Width	Panel Ga.	Design Load	AISI CF00-I (sf=1.724)
2' 6"	18"	22 ga.	110.3	
5' 0"	18"	22 ga.	63.0	
2' 6"	18"	24 ga.	94.5	
5' 0"	18"	24 ga.	56.7	
2' 6"	16"	22 ga.	116.6	
5' 0"	16"	22 ga.	78.8	
2' 6"	16"	24 ga.	97.7	
5' 0"	16"	24 ga.	63.0	

ASTM E 1680 Air Infiltration all seams 18" wide panels = 0.014 CFM/sq. ft.

ASTM E 1645 Water Leakage all seams 12", 16" & 18" wide panels = None at 12 psf

* When seamed with an 18" Width / 24 gauge panel over a 5'-0" purlin spacing. All of the above seams and load tolerances are calculated in accordance with AISI using ASTM E 1592 tests.



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