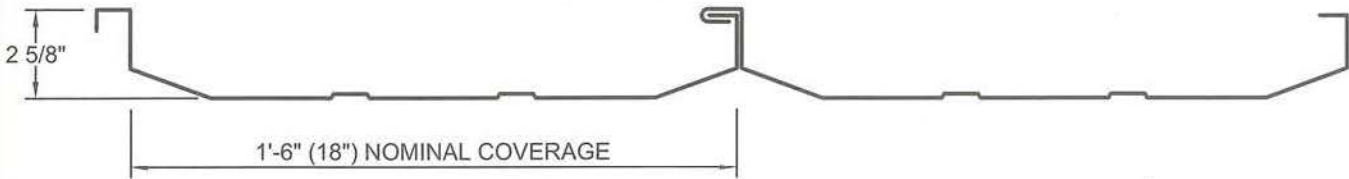
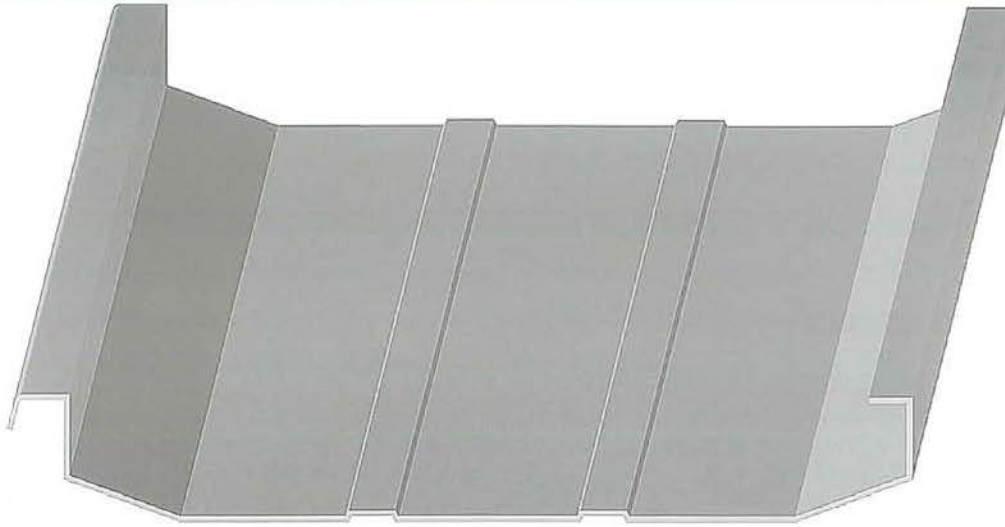


FLEXOSPAN



ALLOWABLE UNIFORM LIVE LOAD (LBS. PER SQ. FT.)

LOADS SHOWN BY THE SHADED AREA ARE LIMITED BY DEFLECTION. DEFLECTION DUE TO LIVE LOAD IS LIMITED TO L/240

SPAN	MINIMUM THICKNESS	YIELD STRESS KSI (MIN.)	JOIST OR PURLIN SPACING (FEET)				
			4	5	6	7	8
SIMPLE SPAN	24 GA.	50	130	82	51	31	20
	22 GA.	50	174	110	69	42	28
TWO SPANS	24 GA.	50	113	72	49	35	26
	22 GA.	50	160	102	70	51	38
THREE OR MORE SPANS	24 GA.	50	142	90	62	45	34
	22 GA.	50	201	128	88	64	48

FSS-18 STANDING SEAM

FLEXOSPAN FSS-18 Standing Seam Roof is designed for both the retrofit and new construction markets. Economy, strength, ease of installation, and weather tightness are the major considerations in the system design. With millions of square feet of roofing that need replaced, FLEXOSPAN offers a system which, when used in combination with various insulations and sub-framing systems, can make any re-roofing project a success. With the concealed clip and fastener system, roof penetrations are kept at a minimum, greatly reducing the possibility of leaks.

FSS-18 Standing Seam is available in Galvalume, Stainless Steel, and pre-painted G-90 Galvanized or Galvalume and can be job site rolled for continuous panel lengths ridge to eave avoiding panel end lap conditions.

SPECIFICATION DATA SHEET – STANDING SEAM ROOFING PANELS SECTION 07400

PART 1 GENERAL – MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

1.1 PERFORMANCE AND DESIGN REQUIREMENTS FOR ROOF SYSTEMS

- A. Roof Panels: Steel panels shall be designed in accordance with the AISI Cold-Formed Steel Design Manual and local building codes as applicable.
- B. Framing members and their connections shall be designed in accordance with AISC, AISI, and LGS design specifications and local building codes as applicable.

1.2 STORAGE AND HANDLING

- A. Store all material and accessories above ground on well skidded platforms.
- B. Store inside or under breathable waterproof covering. Provide proper ventilation to panels to prevent condensation buildup between each panel. Elevate one end of bundles while being stored.

PART 2 PRODUCTS – MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

Materials furnished under this specification data sheet shall be the items checked in the gauge circled.

A. 07 41 13 Metal Roof Panel:

- FSS-18 Standing Seam Metal Roof Panel - 24, 22 Gauge
- FSS-316 Standing Seam Metal Roof Panel 24, 22, 20 Gauge
- FSS-1.5 Standing Seam Metal Roof Panel 24 Gauge

Painted Steel with G-90 Galvanizing or Galvalume Coated Panel:

- Vinyl Plastisol (FLEXSHIELD)
- Kynar 500® / Hylar5000® - Fluorocarbon
- Siliconized Polyester

Color:

- Flexospan Standard Color
- Custom Color - Special ordered with a minimum quantity requirement.

Unpainted Panel:

- Acrylic-Coated Galvalume Steel
- Stainless Steel – 24 Gauge FSS-18 Panels Only

Insulation shall be Fiberglass-type blanket faced with VRR+ vinyl 2-3/4", 3", 4", 6" _____

PART 3 EXECUTION - MECHANICALLY SEAMED STANDING SEAM ROOFING PANELS

3.1 INSTALLATION

- A. Install in accordance with Flexospan's Standard Details. (www.Flexospan.com)
- B. Accessories:
 - End lap plates shall be provided by the manufacturer.
 - The panel clip shall allow for the thermal expansion of the roof system.
- C. Sealants:
 - Exposed Sealants: Shall be one component silicone based as recommended by panel manufacturer: field applied.
 - Concealed Sealants: Non-curing, non-skinning butyl, polyisobutylene & polybutane tape as recommended by panel manufacturer; field applied. See standard details
 - Sealant: Panels shall be properly sealed at the side and end joints with sealants provided by the manufacturer. Sealant shall be applied over and under the clip as described in the standard details.
- D. Metal Ridge End Closures. Formed metal ridge end closures with butyl tape as supplied by the manufacturer are to be used for all ridge or high-eave conditions on FSS-18 & FSS-316.
- E. Side Laps: Side laps shall be fully seamed, either by hand seaming or with an electric seaming machine, to ensure the integrity of the total roof system.
- F. Appearance: Due to the inherent tolerances of base metal, any flat surface panels have the potential of "oil canning". This will not be a basis for panel rejection.
- G. Remove strippable film immediately upon erection of panels or flashings.



www.flexospan.com

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