



SIMPLE SPANS AND TWO EQUAL SPANS FOR SINGLE SEAM PROFILE														
24 GA. STEEL		JOIST, PURLIN, OR GIRT SPACING												
PANEL STEEL		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"
WIDTH	GRADE	ALLOWANCE UNIFORM LIVE LOAD IN PSF												
12"	C	141	110	800	60	46	37	28	23	19	15	13	11	
12"	D	154	108	79	59	45	36	28	23	19	15	13	11	
16"	C	106	82	60	45	34	28	21	17	14	12	10		
16"	D	116	81	59	44	34	27	21	17	14	12	10		
20"	C	84	66	48	36	27	22	17	14	11				
20"	D	93	65	47	35	27	22	17	14	11				
24"	C	71	55	40	30	23	18	14	11					
24"	D	77	54	39	29	23	18	14	11					

FSS-1.5 STANDING SEAM

FLEXOSPAN FSS-1.5 Series Standing Seam Roof System's 1 1/2" deep and flat pan profile make it ideal for highly architectural projects varying elevations and transitions. The flexibility of panel width permits the FSS-1.5 Series almost limitless applications. Standard width is 20". Other width's available with minimum quantity requirements.

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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