



# STANDING SEAM ROOF PANEL

SSR - 42

## FEATURES

**Panel Length:** 10' - 82'

**Core:** Foamed-in-place polyisocyanurate (PIR)

**Accessories:** Flashings, Trim, Screws and Plates

**Colors:** Standard, Enhanced & Custom

## COATINGS & FINISHES

**Exterior Coatings:** Fluropon 70% PVDF, SMP, PE

**Interior Coating:** PE

**Exterior Profile:** Box

**Interior Profile:** Embossed Box

## BENEFITS

- Exterior Applications
- Rapid Roof Installation vs Conventional Construction
- For Roof Slopes 1/2:12 - 2:12
- FALK Private Transportation Fleet
- State-of-the-Art Manufacturing Facility

## TESTING & APPROVALS

Falk Panels have been extensively tested under a variety of North American and International Standards.

Examples Include:

### FIRE

**ASTM E84-21a** | Standard Test Method for Surface Burning Characteristics of Building Materials

**ASTM E84-18b** | Standard Test Method for Surface Burning Characteristics of Building Materials

**UL 1256** | Standard for Safety Fire Test of Roof Deck Constructions

**ASTM D1929-20** | Standard Test Method for Determining Ignition Temperature of Plastics

**CAN/ULC-S127** | Standard Corner Wall Method of Test for Flammability Characteristics of Non-melting Foam Plastic Building Materials

**ULC CAN-S120.2** | Standard Method of Test for Surface Burning Characteristics

**CAN/ULC-S138-06** | Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration

**NFPA 286** | Room Corner Burn Test

### STRUCTURAL

**ASTM E455** | Standard Test Method for Static Load Testing of Framed Floor or Roof Diaphragm Construction for Buildings

**ASTM E72** | Standard Test Method of Conducting Strength Tests of Panels for Building Construction

**AISI S907** | Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms

**ASTM E1592** | Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems

**ASTM C518** | Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus

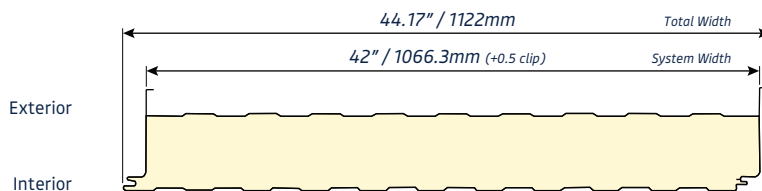
**ASTM E283** | Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences

**ASTM E331** | Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences

## SSR-42 Specifications

Core Thickness	Width	Steel Gauge		Thermal Values		Weight
		Exterior	Interior	R-Values	U-Values	
in   mm	in   mm					lbs/sf
3.0   76.2	42   1067	24ga	26ga	22.79	0.043	2.33
4.0   101.6	42   1067	24ga	26ga	30.38	0.032	2.55
5.0   127	42   1067	24ga	26ga	37.98	0.026	2.77
6.0   152.4	42   1067	24ga	26ga	45.46	0.021	2.99

Nominal 7.5 per inch with lambda ( $\lambda$ [W/mK]) of 0.019



## THERMAL

**ASTM C518-21** | Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Meter Apparatus

## AIR

**ASTM 1680-16** | Standard Test Method for Rate of Air Leakage through Exterior Metal Roof Panel Systems

**ASTM E283/E283M-19** | Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

## WATER

**ASTM E1646-95** | Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference

**ASTM E331-00(2016)** | Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

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