



RIBBED ROOF | WALL PANEL

RRP - 40

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: Colorcoat HPS200 Ultra, Fluoropon 70% PVDF, SMP, PE

Interior Coating: PE

Exterior Profile: Box

Interior Profile: Embossed Box

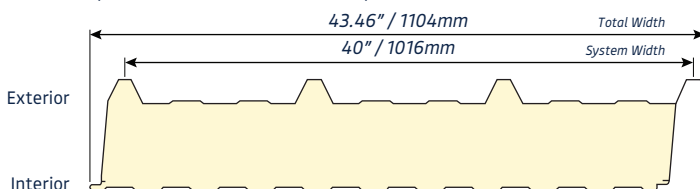
BENEFITS

- Exterior Applications
- Rapid Installation vs Conventional Construction
- Vertical and Horizontal Applications
- FALK Private Transportation Fleet
- State-of-the-Art Manufacturing Facility

RRP-40 Specifications

Core Thickness	Ridge Thickness	Width	Steel Gauge		Thermal Values		Weight
			Exterior	Interior	R-Values	U-Values	
in mm	in mm	in mm					lbs/sf
1.5 38.1	3.07 78	40 1016	24ga, 26ga	26ga	11.39	0.087	2.00
2.0 50.8	3.57 90.7	40 1016	24ga, 26ga	26ga	15.19	0.065	2.11
2.5 65.3	4.07 103.4	40 1016	24ga, 26ga	26ga	18.99	0.053	2.22
3.0 76.2	4.57 116.1	40 1016	24ga, 26ga	26ga	22.79	0.043	2.33
4.0 101.6	5.57 141.5	40 1016	24ga, 26ga	26ga	30.98	0.032	2.55
5.0 127	6.57 166.9	40 1016	24ga, 26ga	26ga	37.98	0.026	2.77
6.0 152.4	7.57 192.3	40 1016	24ga, 26ga	26ga	45.46	0.021	2.99

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



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

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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