FALK RDEK-40 PANEL

RDEK - 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: PE
Interior Coating: Colorcoat HPS200 Ultra™, PVDF, SMP, PE,
Exterior Profile: Flat-Smooth Non-Embossed
Interior Profile: Embossed Box, Non-Embossed Box

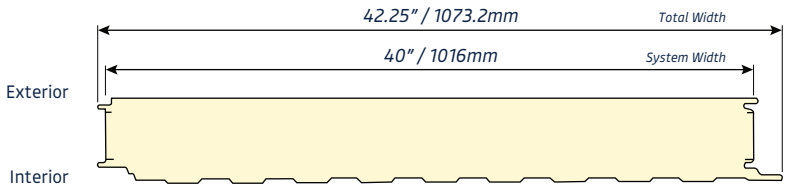
BENEFITS

- Exterior Applications
- Rapid Installation vs Conventional Construction
- Low Slope Applications
- FALK Private Transportation Fleet
- State-of-the-Art Manufacturing Facility
- Phased Construction Is Permitted

RDEK-40 Specifications

Core Thickness	Width	Steel Gauge		Thermal Values		Weight
in | mm	in | mm	Exterior	Interior	R-Values	U-Values	lbs/sf
2.5 | 63.5	40 | 1016	22ga, 24ga, 26ga	26ga	18.99	0.053	2.46
3.0 | 76.2	40 | 1016	22ga, 24ga, 26ga	26ga	22.79	0.043	2.63
4.0 | 101.6	40 | 1016	22ga, 24ga, 26ga	26ga	30.38	0.032	2.79
5.0 | 127	40 | 1016	22ga, 24ga, 26ga	26ga	37.98	0.026	2.95
6.0 | 152.4	40 | 1016	22ga, 24ga, 26ga	26ga	45.46	0.021	3.11

Nominal 7.5 per inch with lamba (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

ANSI FM 4474-2004 (R2010) | American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures.

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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