



HIDDEN FIXED WALL PANEL

HFW - 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: Micro Rib, Macro Rib, and Box

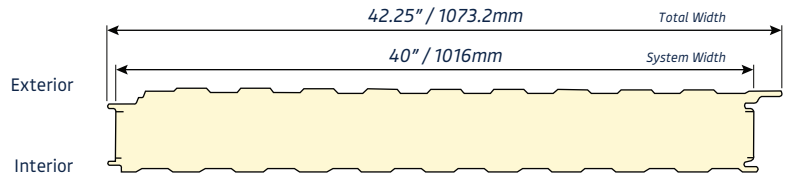
Interior Profile: Embossed Box

BENEFITS

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

| HFW-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 | 24ga, 26ga | 26ga | 18.99 | 0.053 | 2.46 |
| 3.0 76.2 | 40 1016 | 24ga, 26ga | 26ga | 22.79 | 0.043 | 2.63 |
| 4.0 101.6 | 40 1016 | 24ga, 26ga | 26ga | 30.38 | 0.032 | 2.79 |
| 5.0 127 | 40 1016 | 24ga, 26ga | 26ga | 37.98 | 0.026 | 2.95 |
| 6.0 152.4 | 40 1016 | 24ga, 26ga | 26ga | 45.46 | 0.021 | 3.11 |

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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