# 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, Fluropon 70% PVDF, SMP, PE
**Interior Coating:** PE
**Exterior Profile:** Micro Rib, Macro Rib, and Box
**Interior Profile:** Embossed Box

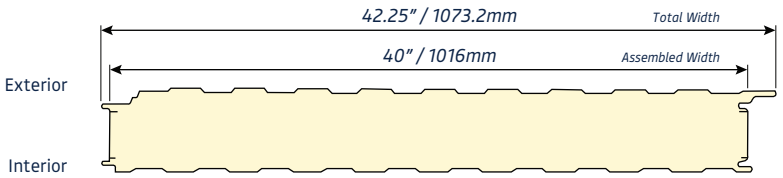
## BENEFITS

- 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 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

### 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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