

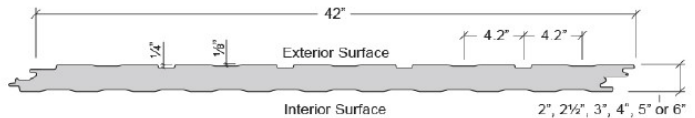
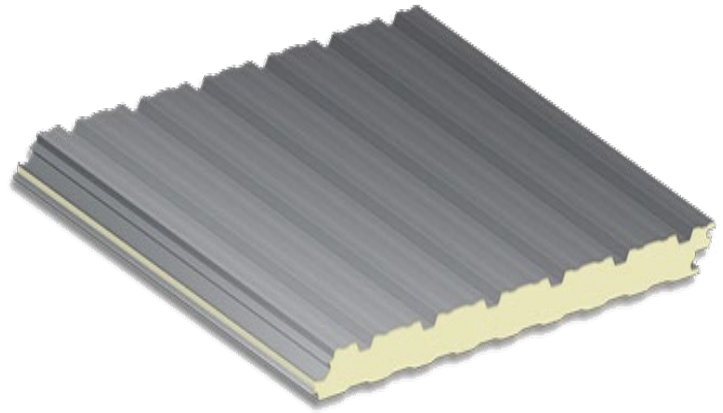
CF FLUTED INSULATED WALL PANEL

DESCRIPTION:

The traditional styling and distinct vertical lines of the CF Fluted Insulated Wall Panel are ideal for custom-designed or conventional building construction, especially commercial and industrial applications. It can also be used in cold storage applications. The interior skin employs a Light Mesa profile. The CF Fluted Insulated Wall Panel is available in a width of 42".

FEATURES:

- The CF Fluted Insulated wall panel utilizes concealed clips and eliminates thermal short circuits.
- The standard exterior surface is available in 26, 24, or 22 gauge Galvalume® or Galvanized coated steel with silicone polyester or Kynar 500®/Hylar 5000® coatings.
- IMPs allow for fast assembly times and easy installation, resulting in reduced construction labor costs and earlier business starts.



SPECIFICATIONS

- Applications: Wall (Vertical)
- Coverage Widths: 42"
- Thicknesses: 2", 2½", 3", 4", 5", 6"
- Lengths:
 - 8'-0" to 32'-0" for horizontal
 - 8'-0" to 52'-0" for vertical
- Panel Attachment: Concealed fastening system
- Insulation Material: Non-CFC foamed-in-place polyurethane foam cured to achieve a minimum density of 2.2 pounds
- Gauges: Exterior: 26 (standard), 24, 22 (optional); Interior: 26 (standard), 24, 22 (optional)
- Finishes: Exterior: Stucco-embossed; Interior: Stucco-embossed, Mesa profile
- Coatings: Exterior: Signature® 200, Signature® 300, Signature® 300 Metallic; Interior: Igloo White (standard)

U-Factors and R-Values**

U-Factor (BTU/h-ft²·°F)

R-Value (h-ft²·°F/BTU)

PANEL WIDTH: 42"

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| | 75° |
|-----|--------|
| 2" | 0.0721 |
| 2½" | 0.0523 |
| 3" | 0.0432 |
| 4" | 0.0328 |
| 5" | 0.0267 |
| 6" | 0.0226 |

| | 75° |
|-----|-------|
| 2" | 13.87 |
| 2½" | 19.12 |
| 3" | 23.15 |
| 4" | 30.49 |
| 5" | 37.45 |
| 6" | 44.25 |

PANEL WIDTH: 42"

PANEL WIDTH: 42"

| | 40° |
|-----|--------|
| 2" | 0.0692 |
| 2½" | 0.0498 |
| 3" | 0.0410 |
| 4" | 0.0311 |
| 5" | 0.0252 |
| 6" | 0.0214 |

| | 40° |
|-----|-------|
| 2" | 14.45 |
| 2½" | 20.08 |
| 3" | 24.39 |
| 4" | 32.15 |
| 5" | 39.68 |
| 6" | 46.73 |

*Available only from Metl-Span's Nevada plant

**Based on ASTM C518, ASTM C1363 and thermal modeling, 75°F and 40°F core mean temp.

Product samples, detail sheets, color chips, and color chart are available for your submittal package. For assistance with questions or submittals, contact your local Sale Representative or call Duro-Last.

| Category | Test Method | Purpose | Result |
|----------------------------|------------------|--|---|
| FIRE US | ASTM E84 | Surface Burning Characteristics of Building Materials | Flame spread <25, smoke developed <450 |
| | ASTM E119 | Fire Tests of Building Construction Materials | One hour non-load bearing rating with two layers of Type X Gypsum. Vertical or horizontal installation |
| | FM 4880 | Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels | Product approved Exterior roof requires FM 4881 approval |
| | NFPA 259 | Test Method for Potential Heat of Building Materials | Potential heat of foam plastic insulation contained in the assembly tested in accordance with NFPA 285 |
| | NFPA 285 | Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies | Panel assembly met the requirements of the standard |
| | NFPA 286 | Fire Tests for Evaluating Contribution of Wall and Ceiling Finish to Roof Fire Growth | Test specimen met the criteria of the IBC Section 803.1.2.1 |
| FIRE CANADA | CAN/ULC S101 | Fire Endurance Tests of Building Construction and Materials | One hour non-load bearing fire rating with two layers of Type X Gypsum |
| | CAN/ULC S101 | Fire Endurance Tests of Building Construction and Materials | Meets 15 minute stay-in-place requirements |
| | CAN/ULC S102 | Surface Burning Characteristics of Building Materials and Assemblies | Meets the National Building Code of Canada requirements |
| | CAN/ULC S134 | Fire Test of Exterior Wall Assemblies | Complies with the fire-spread and heat-flux limitations required by the National Building Code of Canada |
| | CAN/ULC S138 | Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration | Met the criteria of the standard |
| STRUCTURAL | ASTM E72 | Strength tests of panels for Building Construction | See load chart |
| | ASTM E1592 | Structural performance of metal roof and siding systems by uniform static air pressure differences | See load chart |
| | FM 4881 | Class 1 exterior wall structural performance | See FM Wall Load Chart |
| THERMAL PERFORMANCE | ASTM C518 | Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus | K-Factor of 0.126 BTU.in/hr.ft ² °F at 40° F mean core K-Factor of 0.14 BTU.in/hr.ft ² °F at 75° F mean core |
| | ASTM C1363 | Thermal Performance of Building Materials and Envelope Assemblies | See Thermal Performance Guide |
| AIR INFILTRATION | ASTM E283 | Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences | <0.01 cfm/ft ² at 20 psf Vertical or horizontal installation |
| WATER INFILTRATION | ASTM E331 | Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences | No uncontrolled leakage when tested to a static pressure of 20 psf Vertical or horizontal installation |
| SPECIAL APPROVAL | Miami-Dade NOA | Product Approval for City of Miami and Dade County | Product has City of Miami and Dade County Notice of Acceptance |
| | State of Florida | Product Approval for the State of Florida | Product has State of Florida approval |