



CF STRIATED

INSULATED METAL WALL PANEL

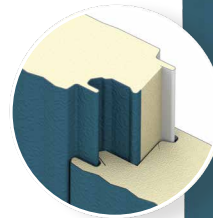


The Mid-West CF Striated insulated metal panel is an attractive alternative to typical flat wall panels. The exterior face is lightly profiled with narrow longitudinal striations, which create a subtle shadow effect but exhibit a virtually flat appearance from a short distance away. The Striated wall panel is an exceptional value, combining the aesthetics of a flat wall panel with the high insulation ratings of a polyurethane core.

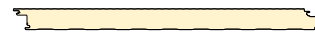
Note: Not intended for exterior walls on cold storage buildings.

LOCK & GROOVE SYSTEM

PANEL



PANEL PROFILE



PRODUCT SPECIFICATIONS

WIDTH 24", 30", 36", 42"

THICKNESS 2", 2½", 2¾", 3", 4"

LENGTH 8'-0" to 40'-0" for the 30" and 36" widths, 8'-0" to 32'-0" for the 42" width

EXTERIOR FACE Stucco-embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 24 and 22 Ga. Optional smooth-unembossed finish

INTERIOR FACE Light Mesa profile, stucco-embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.

JOINT Offset double tongue-and-groove with extended metal shelf for positive face fastening

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° | | 75° | |
|-----|--------|-----|-------|
| 2" | 0.0706 | 2" | 14.16 |
| 2½" | 0.0516 | 2½" | 19.38 |
| 2¾" | 0.0470 | 2¾" | 21.28 |
| 3" | 0.0424 | 3" | 23.58 |
| 4" | 0.0324 | 4" | 30.86 |

*Available only from Nevada plant

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

DESIGN FEATURES & BENEFITS

- Minor striations provide up-close interest, with a flat appearance at a distance
- Utilizes concealed clips and eliminates thermal short circuits
- Easy and fast installation, with reduced construction labor costs
- Interior and exterior applications
- Can be used in conjunction with other Mid-West joint profiles

TESTING: CF STRIATED INSULATED METAL WALL PANEL

| TEST/APPROVAL | TEST METHOD | TEST TITLE | RESULTS |
|----------------------------|------------------|--|---|
| 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 wall 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 |

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, Mid-West Steel reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at mid-weststeel.com.