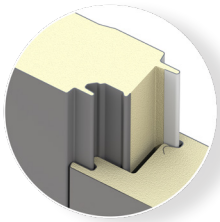
METL SPAN®
a NUCOR® company

CF ARCHITECTURAL VERTICAL

INSULATED METAL WALL PANEL WITH PUR FOAM CORE

The Metl-Span CF Architectural insulated metal panel is ideal for high profile architectural applications with its flat, monolithic look. The panels are designed to be installed vertically with concealed clips and fasteners in the side joint. These wall panels provide a beautiful, flush appearance, allowing architects flexibility with design including reveals, folded corners and end folds.

LOCK & GROOVE SYSTEM



PANEL

PANEL PROFILE

PRODUCT SPECIFICATIONS

WIDTH • 24", 30", 36"

THICKNESS • 2", 2½", 3", 4"

LENGTH
NON-DIRECTIONAL EMBOSSED
8'-0" to 32'-0"
UNEMBOSSED
8'-0" to 16'-0"

EXTERIOR PROFILE • Flat appearance providing a monolithic look, embossed or unembossed

EXTERIOR FACE • G-90 galvanized or AZ-50 aluminum-zinc coated steel in 22 Ga.

INTERIOR PROFILE • Light Mesa, nominal 1/16" deep, embossed or unembossed

INTERIOR FACE • G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.

CORE • Foamed-in-place, PUR Foam Core, zero ozone depleting (zero ODP) Class 1 foam

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

REVEAL • Up to 1" reveal options in ¼" increments or up to 3" reveal options in ½" increments

U-FACTOR (BTU/h·ft²·°F)
PANEL WIDTH: 36"

	35°
2"	0.059
2.5"	0.046
3"	0.038
4"	0.028

R-VALUE (h·ft²·°F/BTU)
PANEL WIDTH: 36"

	35°
2"	17.5
2.5"	21.9
3"	26.2
4"	35.0

*Based on ASTM C518, ASTM C1363 and thermal modeling.

DESIGN FEATURES & BENEFITS

- Available in custom widths
- Available with preformed corners
- Flat, flush appearance for vertical installation
- 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 Metl-Span joint profiles

Metl-Span: All-In-One Performance
1720 Lakepointe Drive, Suite 101, Lewisville, Texas 75057 (p) 877.585.9969 metlspan.com

SKU# 307209991177

TESTING: CF ARCHITECTURAL VERTICAL 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, see Structural approvals)
	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 285-19	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 (Interior wall requires FM 4880, see Fire approvals)
Thermal Performance	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.114 BTU.in/hr.ft^2.°F at 35° 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 Vertical installation only
	State of Florida	Product Approval for the State of Florida	Product has State of Florida approval