

# CF MESA

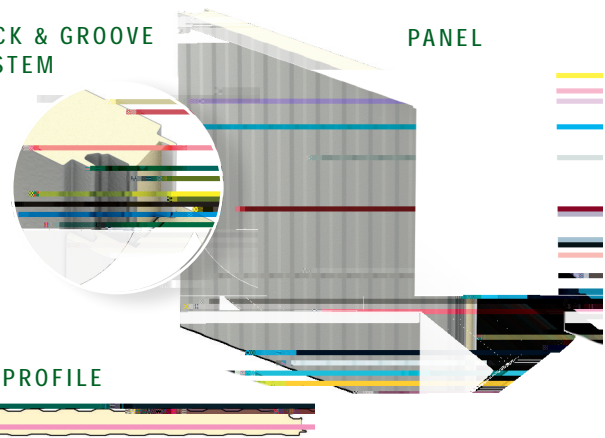
## INSULATED METAL WALL PANEL

The I-Span CF Mesa is a insulated metal panel is well suited for exterior and interior wall and ceiling application. The light corrugated profile on both face create a membrane on the outside of the building and room to room partition. The minor rib provide a finished appearance. The panels are ideal for commercial, institutional and industrial application.

**LOCK & GROOVE SYSTEM**

**PANEL**

**PANEL PROFILE**



### PRODUCT SPECIFICATIONS

**WIDTH** • 30", 36", 42"

**THICKNESS** • 2", 2 1/2", 3", 4", 5", 6", 8"

<b>LENGTH</b>	<b>NON-DIRECTIONAL EMBOSSED</b>	<b>UNEMBOSSED</b>
	8'-0" to 32'-0" Horizontal 8'-0" to 52'-0" Vertical	8'-0" to 16'-0" Horizontal 8'-0" to 40'-0" Vertical

**EXTERIOR PROFILE** • Longitudinal planks spaced at nominal 4" on center, nominal 1/8" deep, embossed or unembossed

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

**INTERIOR PROFILE** • Mesa, nominal 1/8" deep or Light Mesa, nominal 1/16" deep, embossed or unembossed

**INTERIOR FACE** • G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22- Ga.

**JOINT** • Of set double tongue-and-groove with extended metal shelf for positive face fastening

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

### U-FACTORS AND R-VALUES\*

PANEL WIDTH: 42"		PANEL WIDTH: 42"	
	35°		35°
2"	0.059	2"	17.5
2.5"	0.046	2.5"	21.9
3"	0.039	3"	26.2
4"	0.029	4"	35.0
5"	0.023	5"	43.7
6"	0.019	6"	52.5
8"	0.014	8"	70.0

\*\* Based on ASTM C518, ASTM C1363 and thermal modeling  
- 22 Ga not available for stainless steel

### DESIGN FEATURES & BENEFITS

- Consistent high quality with foamed-in-place panel manufacturing
- Easily washable
- Utilizes concealed clips and eliminates thermal short circuits
- Easy and fast installation, with reduced construction labor costs
- Interior and exterior applications

TEST/ APPROVAL	TEST METHOD	TEST TITLE	RESULTS
Fire US	ASTME84	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 285-19	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
	ASTME1592	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	ASTMC518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.114 BTU.in/hr.ft <sup>2</sup> .°F at 35° F mean core
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	See Thermal Performance Guide
Air Infiltration	ASTME283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.01 cfm/ft <sup>2</sup> at 20 psf