

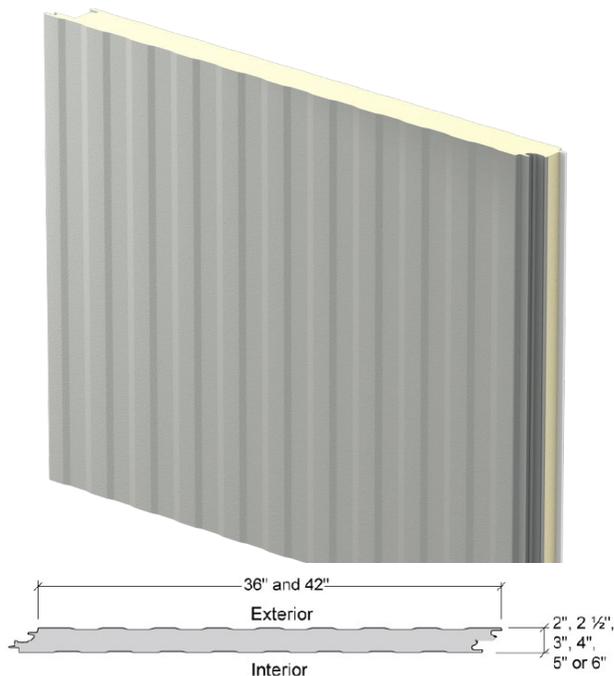
# CF MESA INSULATED WALL PANEL

**DESCRIPTION:**

The CF Mesa Insulated Wall Panel is designed for interior wall partitions, interior ceilings and exterior wall applications. The appealing flat exterior and interior skins have a Light Mesa profile. The versatility of this panel allows for a uniform appearance from outside to inside and from room to room in partition applications.

**FEATURES:**

- The CF Mesa 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.
- CF Mesa panel can be used for both interior and exterior applications.



**SPECIFICATIONS**

- Applications: Wall
- Coverage Widths: 30", 36", 42"
- Thicknesses: 2", 2½", 3", 4", 5", 6"
- Lengths:
  - 8'-0" to 32'-0" for horizontal embossed
  - 8'-0" to 16'-0" for horizontal unembossed
  - 8'-0" to 52'-0" for vertical embossed
  - 8'-0" to 40'-0" for vertical unembossed
- 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 and Interior: 26 (standard), 24, 22 (optional)
- Finishes: Exterior and Interior: Stucco-embossed, Mesa profile
- Coatings: Exterior: Signature® 200, Signature® 300, Applied finishes; Interior: Igloo White (standard)

**U-Factors and R-Values\***

U-Factor (BTU/h-ft <sup>2</sup> ·°F)		R-Value (h-ft <sup>2</sup> ·°F/BTU)	
PANEL WIDTH: 42"		PANEL WIDTH: 42"	
75°		75°	
2"	0.0706	2"	14.16
2½"	0.0516	2½"	19.38
3"	0.0424	3"	23.58
4"	0.0324	4"	30.86
5"	0.0264	5"	37.88
6"	0.0224	6"	44.64
PANEL WIDTH: 42"		PANEL WIDTH: 42"	
40°		40°	
2"	0.0669	2"	14.95
2½"	0.0491	2½"	20.37
3"	0.0401	3"	24.94
4"	0.0305	4"	32.79
5"	0.0248	5"	40.32
6"	0.0210	6"	47.62

\*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
<b>FIRE US</b>	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
<b>FIRE CANADA</b>	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
<b>STRUCTURAL</b>	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
<b>THERMAL PERFORMANCE</b>	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.126 BTU.in/hr.ft <sup>2</sup> °F at 40° F mean core K-Factor of 0.14 BTU.in/hr.ft <sup>2</sup> °F at 75° F mean core
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	See Thermal Performance Guide
<b>AIR INFILTRATION</b>	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.01 cfm/ft <sup>2</sup> at 20 psf Vertical or horizontal installation
<b>WATER INFILTRATION</b>	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
<b>SPECIAL APPROVAL</b>	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