



CF LIGHT MESA

Insulated Metal Wall Panel with PIR Foam Core

The CF Light Mesa is the panel of choice for use as exterior walls, interior partitions and ceilings in applications where energy efficiency is paramount. CF Light Mesa lightly profiled planks offer a flattened appearance ideal for temperature-controlled buildings. Trust TrueCore's CF Light Mesa panel, produced using veteran knowledge and experience for the industry's best contractors.

PANEL PROFILE AND CROSS SECTION



U-FACTOR (BTU/H·FT²·°F)*

PANEL WIDTH: 42"

	35°
2"	0.058
2½"	0.045
3"	0.038
4"	0.028
5"	0.022
6"	0.019
8"	0.014

R-VALUE (H·FT²·°F/BTU)*

PANEL WIDTH: 42"

	35°
2"	17.9
2½"	22.4
3"	26.9
4"	35.9
5"	44.8
6"	53.8
8"	71.7

EXTERIOR PROFILE & TEXTURE

Lightly profiled ¼" deep, longitudinal planks spaced at nominal 4" on center, embossed or unembossed

INTERIOR PROFILE & TEXTURE

Light Mesa, nominal ¼" deep, embossed or unembossed

EXTERIOR FACINGS

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

INTERIOR FACINGS

G-90 galvanized or AZ-50 aluminum-zinc coated steel, 304 or 316 stainless steel in 26, 24, 22~ Ga.

WIDTH

36", 42", 44"

LENGTH

NON-DIRECTIONAL EMBOSSED
8'-0" to 52'-0" Vertical
UNEMBOSSED
8'-0" to 16'-0" Vertical

THICKNESS

2", 2½", 3", 4", 5", 6", 8"
Note: 5", 6" & 8" available for Interior Panels Only

CORE

Foamed-in-place, PIR Foam Core, zero ozone depleting (zeo ODP) Class 1 foam

JOINT

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

*R-Value & U-Factor per ASTM C518 & ASTM C1363/Simulation, respectively, based on a mean temperature of 35° F; ~ 22 Ga not available for stainless steel

TESTING: CF LIGHT MESA INSULATED METAL WALL PANEL

TEST	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 installation
	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 285-19
	NFPA 285-19 Vertical	Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	Panel assembly met the requirements of the standard
	NFPA 286	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	Test specimen met the criteria of the IBC Section 803.1.2.1
STRUCTURAL	ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction	See Load Chart
THERMAL PERFORMANCE	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	2" R= 17.9 2½" R= 22.4 3" R= 26.9 4" R= 35.9 5" R= 44.8 6" R= 53.8 8" R= 71.7
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	35°
			2" 0.058
			2½" 0.045
			3" 0.038
			4" 0.028
			5" 0.022
			6" 0.019
			8" 0.014
AIR INFILTRATION	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.001 cfm/ft² air infiltration rate at static pressure differential of 6.24 psf Vertical 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 15 psf Vertical installation

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