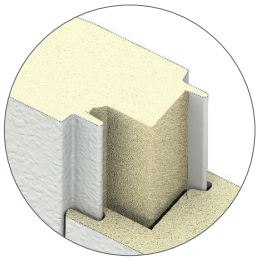
CF PARTITION

Insulated Metal Wall Panel

The CF Partition is the panel of choice for use as interior partition applications where energy efficiency is paramount. The lightly corrugated profile provides added strength on both faces and ensures symmetry from the exterior to the interior of the building, and between rooms. Trust TrueCore's CF Partition 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”	0.059
2½”	0.046
3”	0.039
4”	0.029
5”	0.023
6”	0.019

R-VALUE (H·FT²·°F/BTU)*

PANEL WIDTH: 42”

	35°
2”	17.5
2½”	21.9
3”	26.2
4”	35.0
5”	43.7
6”	52.5

EXTERIOR PROFILE & TEXTURE	Mesa, nominal ⅛” deep, embossed or Light Mesa, nominal 1⁄16” deep, embossed
INTERIOR PROFILE & TEXTURE	Mesa, nominal ⅛” deep, embossed or Light Mesa, nominal 1⁄16” deep, embossed
EXTERIOR FACINGS	G-90 galvanized or AZ-50 aluminum-zinc coated, 304 or 316 stainless steelin 26, 24, 22 Ga~.
INTERIOR FACINGS	G-90 galvanized or AZ-50 aluminum-zinc coated, 304 or 316 stainless steel in 26, 24, 22 Ga~.
WIDTH	44.4”
LENGTH	NON-DIRECTIONAL EMBOSSED 8’-0” to 52’-0” Vertical
THICKNESS	2”, 2½”, 2¾”†, 3”, 4”, 5”, 6”
CORE	Foamed-in-place, zero ozone depleting (zero ODP) Class 1 foam
JOINT	Offset double tongue-and-groove
FASTENING	Through fastened at the top and bottom of the panel
THERMAL VALUES	k-Factor** @ 35° F (1.6° C) is 0.114

**R-Value & U-Factor per ASTM C518 & ASTM C1363/Simulation, respectively, based on a mean temperature of 35° F;Thermal values may vary depending on manufacturing location.*
***k-Factor calculations: BTU in/ft²hr. °F*
†Available only from Nevada plant.
~ 22 Ga not available for stainless steel
FM Approved Class 1 with no height restrictions.

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TESTING: CF PARTITION 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 or horizontal installation	
	FM 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels	Product approved	
	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	
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 S138	Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration	Met the criteria of the standard	
STRUCTURAL	ASTM E72	Standard Test Methods of Conducting 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	
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		35°
			2”	0.059
			2½”	0.046
			3”	0.039
			4”	0.029
			5”	0.023
			6”	0.019
AIR INFILTRATION	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.01 cfm/ft^2 air infiltration rate at static pressure differential of 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	

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