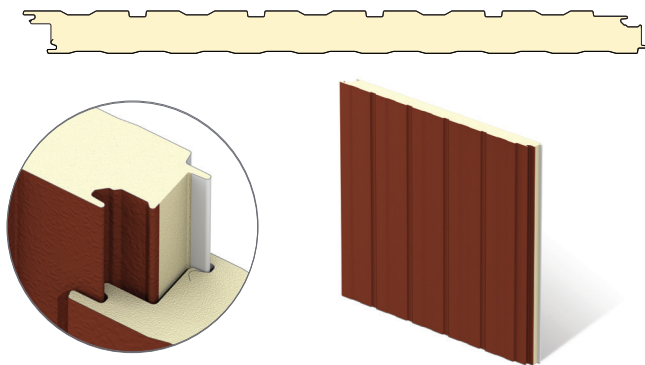


CF FLUTE

Insulated Metal Wall Panel

The CF Flute is the panel of choice for use as exterior walls where energy efficiency is paramount. CF Flute ribbed profile provides bold vertical reveals complementary to temperature-controlled buildings. Trust TrueCore's CF Flute 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"	0.060
2½"	0.047
3"	0.039
4"	0.029
5"	0.023
6"	0.020
8"	0.015

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
8"	70.0

EXTERIOR PROFILE & TEXTURE

1" wide, nominal ⅜" deep, longitudinal reveals at 8.4" on center, embossed

INTERIOR PROFILE & TEXTURE

Mesa, nominal ⅛" deep or Light Mesa, nominal ⅙" 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 or 304 or 316 stainless steel in 26, 24 and 22[~] Ga.

WIDTH

42"

LENGTH

NON-DIRECTIONAL EMBOSSED
 8'-0" to 32'-0" Horizontal
 8'-0" to 52'-0" Vertical

THICKNESS

2", 2½", 2¾"[†], 3", 4", 5", 6", 8"

CORE

Foamed-in-place, zero ozone depleting (zero 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; Thermal values may vary depending on manufacturing location.

[†] Available only from Nevada plant

[~] 22 Ga not available for stainless steel

TESTING: CF FLUTE 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 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 285-19
	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	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 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	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
	FM 4881	Class 1 Exterior Wall Structural Performance	See FM Wall Load Chart
THERMAL PERFORMANCE	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	2" R= 17.5
			2½" R= 21.9
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	3" R= 26.2
			4" R= 35.0
			5" R= 43.7
			6" R= 52.5
			8" R= 70.0
			35°
			2" 0.060
			2½" 0.047
3" 0.039			
4" 0.029			
5" 0.023			
6" 0.020			
8" 0.015			
AIR INFILTRATION	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.001 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
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
	State of Florida	Product Approval for the State of Florida	Product has State of Florida approval

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, TrueCore reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at truecorepanels.com.