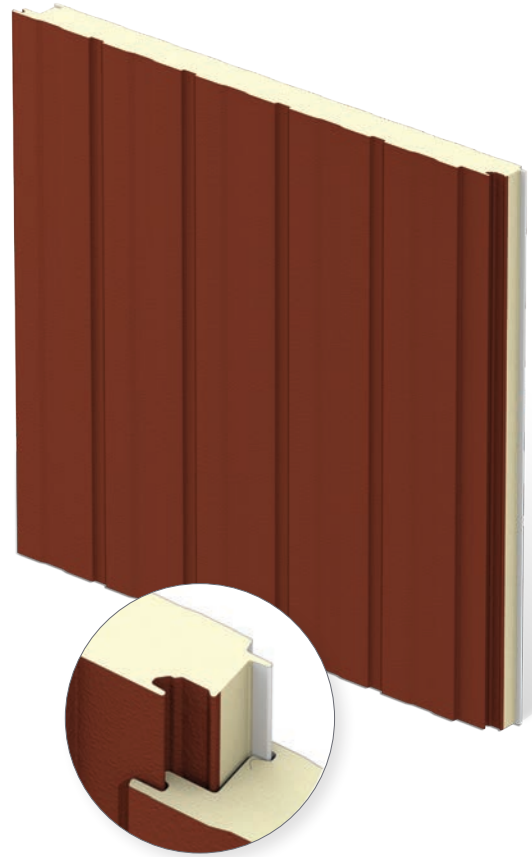


CF FLUTE

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 Metl-Span's CF Flute panel, produced using veteran knowledge and experience for the industry's best contractors.



PRODUCT SPECIFICATIONS

WIDTH	42"
THICKNESS	2", 2½", 2¾", 3", 4", 5", 6", 8"
LENGTHS	NON-DIRECTIONAL EMBOSSED 8'-0" to 32'-0" Horizontal 8'-0" to 52'-0" Vertical
EXTERIOR PROFILE	1" wide, nominal 3/8" deep, longitudinal reveals at 8.4" on center, embossed
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.
CORE	Foamed-in-place, PIR Foam Core, zero ozone depleting (zero ODP) Class 1 foam
JOINT	Offset double tongue-and-groove with extended metal shelf for positive face fastening

*Values reflect PUR Foam Core. 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

PANEL PROFILE



U-FACTORS AND R-VALUES *

U-FACTOR (BTU/h-ft ² ·°F)		R-VALUE (h-ft ² ·°F/BTU)	
PANEL WIDTH: 42"		PANEL WIDTH: 42"	
	35°		35°
2"	0.060	2"	17.5
2.5"	0.047	2.5"	21.9
3"	0.039	3"	26.2
4"	0.029	4"	35.0
5"	0.023	5"	43.7
6"	0.020	6"	52.5
8"	0.015	8"	70.0

DESIGN FEATURES & BENEFITS

- Traditional styling and distinctive vertical lines
- Utilizes concealed clips and eliminates thermal short circuits
- Easy and fast installation, with reduced construction labor costs
- Can be used in conjunction with other Metl-Span joint profiles
- USDA Compliant stainless steel for use in aggressive or daily-wash down areas

TESTING: CF FLUTE INSULATED METAL WALL PANEL

TEST/APPROVAL	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	
	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 10 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	
Thermal Performance	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.112 BTU.in/hr.ft ² F at 35° F mean temperature	
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	35°	
			2"	0.059
			2½"	0.047
			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	<0.04 cfm/ft ² air infiltration rate at static pressure differential of 1.57 psf Vertical or Horizontal installation	
	ASTM E2357	Air Leakage of Air Barrier Assemblies	<0.04 cfm/ft ² air infiltration rate at static pressure differential of 1.57 psf, after 2,000 cycles at +/- 16.71 psf Vertical or Horizontal installation; with and without penetrations	
Water Infiltration	ASTM E331	Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences	No uncontrolled leakage when tested to a static pressure differential of 6.24 psf for 2 hours Vertical or Horizontal installation	

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, Metl-Span 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 metlspan.com.