

CFR INSULATED STANDING SEAM PANEL

DESCRIPTION:

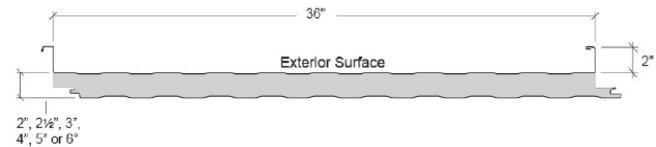
The CFR Insulated Standing Seam Panel is the newest innovation in all-in-one composite roof panel design, combining durable interior and exterior faces with an unmatched polyurethane core. The CFR Insulated Standing Seam Panel is a truly unique answer to many deficiencies common with more traditional roofing materials of the past.

FEATURES:

- The CFR roof panel is ideal for architectural, commercial, industrial and institutional applications.
- Requires very little field reworking and can be easily and quickly installed.

SPECIFICATIONS

- Applications: Roof
- Length: 9'-6" to 53'-0"
- Coverage Widths: 42" (standard); 30", 36" (optional)
- Panel Attachment: Concealed fastening system
- Gauges: Exterior: 24, 22; Interior: 26, 24, 22
- Finishes: Exterior: Galvalume Plus®, Stucco-embossed; Interior: Stucco-embossed
- Coatings: Exterior: Signature® 200, Signature® 300; Interior: Igloo White (standard)



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"	
	75°		75°
2"	0.0600	2"	16.67
2½"	0.0490	2½"	20.41
3"	0.0414	3"	24.15
4"	0.0318	4"	31.45
5"	0.0257	5"	38.91
6"	0.0217	6"	46.08

* Based on ASTM C518, ASTM C1363 and thermal modeling, 75° F core mean temp.

** Available only from Metl-Span's Texas plant

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
FIRE US	ASTM E84	Surface Burning Characteristics of Building Materials	Flame spread <25, smoke developed <450
	ASTM E108	Standard Test Methods for Fire Tests of Roof Coverings	Varies up to R-8.515/inch of panel thickness at 40° F mean temperature
	FM 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels	Product approved Exterior roof requires FM 4471 approval
	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
FIRE CANADA	CAN/ULC S102	Surface Burning Characteristics of Building Materials and Assemblies	Meets the National Building Code of Canada requirements
	CAN/ULC S107	Methods of Fire Tests of Roof Coverings	Passed Class A
	CAN/ULC S126	Fire Spread Under Roof-Deck Assemblies	Met the criteria of the standard
STRUCTURAL	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 4471	Class 1 Exterior Roof Structural Performance	See FM Roof Load Chart
	UL 580	Uplift Resistance of Roof Assemblies	UL Class 90 Uplift at 5' and 7'
	UL 1897	Uplift Tests for Roof Covering Systems	Uplift Resistance of 166 psf at 5' Uplift Resistance of 140 psf at 7'
THERMAL PERFORMANCE	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.126 BTU.in/hr.ft ² °F at 40° F mean core K-Factor of 0.14 BTU.in/hr.ft ² °F at 75° F mean core
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	See Thermal Performance Guide
AIR INFILTRATION	ASTM E1680	Rate of Air Leakage Through Exterior Metal Roof Panel Systems	<0.023 cfm/ft ² at 12 psf
WATER INFILTRATION	ASTM E1646	Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences	No uncontrolled leakage when tested to a static pressure of 12 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