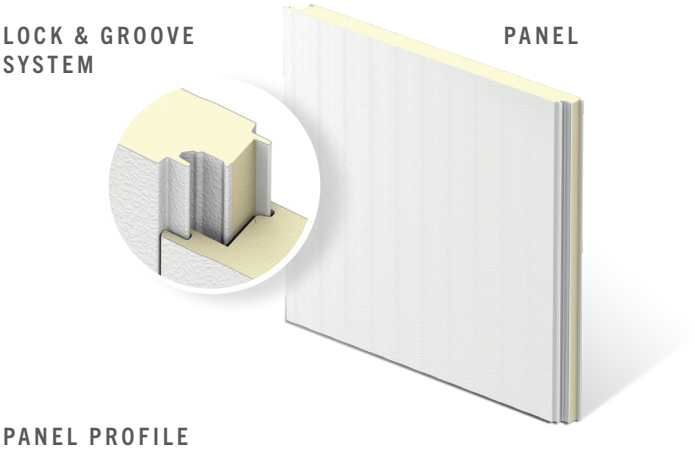
METL SPAN®
a NUCOR® company

HPCI BARRIER

INSULATED METAL WALL PANEL WITH PUR FOAM CORE

The HPCI Barrier insulated metal panel provides superior air, water, thermal and vapor protection in a single-panel component. This unique insulated metal wall panel introduces new standards in cost savings, design integrity and sustainability. Easily and quickly installed in a single step, the HPCI Barrier eliminates the need for multiple work crews, minimizing construction debris and reducing the likelihood of improper installation.



PANEL PROFILE

Metl-Span: All-In-One Performance
1720 Lakepointe Drive, Suite 101, Lewisville, Texas 75057 (p) 877.585.9969 metlspan.com

SKU #: 307209991181

HPCI BARRIER INSULATED METAL PANEL

PRODUCT SPECIFICATIONS

WIDTH • 42"

THICKNESS • 2", 2½", 3", 4", 5", 6"

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

EXTERIOR PROFILE • Longitudinal ribs, spaced at nominal 4" on center, nominal 1/16" deep, embossed

EXTERIOR FACE • G-90 galvanized or AZ-50 aluminum-zinc coated steel in min. 26 Ga.

INTERIOR PROFILE • Light Mesa, nominal 1/16" deep, embossed

INTERIOR FACE • G-90 galvanized or AZ-50 aluminum-zinc coated steel in min. 26 Ga.

CORE • Foamed-in-place, PUR Foam Core, zero ozone depleting (zero ODP) Class 1 foam

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

THERMAL VALUE • K-Factor** @ 35° F (24° C) is 0.114

U-FACTORS AND R-VALUES**

U-FACTOR (BTU/h·ft²·°F)

PANEL WIDTH: 42"	35°
2"	0.059
2.5"	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
2.5"	21.9
3"	26.2
4"	35.0
5"	43.7
6"	52.5

*K-Factor calculations: BTU in/ft²hr. °F
**Based on ASTM C518, ASTM C1363 and thermal modeling

DESIGN FEATURES & BENEFITS

- Provides air, water, thermal and vapor barrier in one step
- Allows you to use multiple facade options while not reducing thermal efficiency
- Easy and fast installation, with reduced construction and labor costs

TESTING

TEST/ APPROVAL	TEST METHOD	TEST TITLE	RESULTS
Fire US	ASTM E84	Surface Burning Characteristics of Building Materials	Flame spread <25, smoke developed <450
	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
	NFPA 285-19	Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies	Requires minimum 0.5" thick gypsum board on the interior side of the steel framing of the panels
Fire Canada	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	Requires minimum 0.5" thick gypsum board on the interior side of the steel framing of the panels
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.ft².°F at 35° F mean core
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	See Thermal Performance Guide
Air Infiltration	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.01 cfm/ft² at 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