

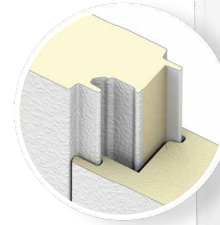
HPCI BARRIER

INSULATED METAL WALL PANEL

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.

The HPCI Panel must be separated from the interior of the building by an approved thermal barrier of 0.5" (12.7mm) gypsum wallboard to meet IBC requirements.

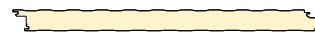
LOCK & GROOVE SYSTEM



PANEL



PANEL PROFILE



PRODUCT SPECIFICATIONS

WIDTH 42"

THICKNESS 2", 2½", 3", 4", 5", 6"

LENGTH 8'-0" to 24'-0"; contact Metallic for longer length options

EXTERIOR FACE Stucco-embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in min. 26 Ga.

INTERIOR FACE Stucco-embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in min. 26 Ga.

CORE Foamed-in-place, zero ozone-depleting polyurethane (zero ODP)

THERMAL VALUE K-Factor** @ 75° F (24° C) is 0.140

EXTERIOR PROFILE Light Mesa embossed

INTERIOR PROFILE Light Mesa embossed

U-FACTORS AND R-VALUES * *

U-FACTOR (BTU/h·ft²·°F)

PANEL WIDTH: 42"

	75°
2"	0.0706
2½"	0.0516
3"	0.0424
4"	0.0324
5"	0.0264
6"	0.0224

R-VALUE (h·ft²·°F/BTU)

PANEL WIDTH: 42"

	75°
2"	14.16
2½"	19.38
3"	23.58
4"	30.86
5"	37.88
6"	44.64

*K-Factor calculations: BTU in/ft²·hr. °F

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

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: HPCI BARRIER INSULATED METAL PANEL

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	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 0.126 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 E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences	<0.01 cfm/ft ² 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

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