

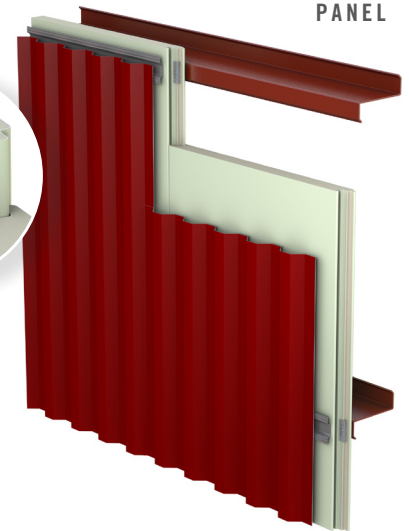
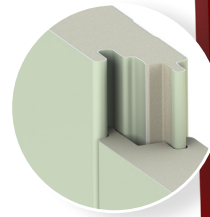
BW STRETCH SYSTEM[™]

INSULATED METAL WALL PANEL SYSTEM

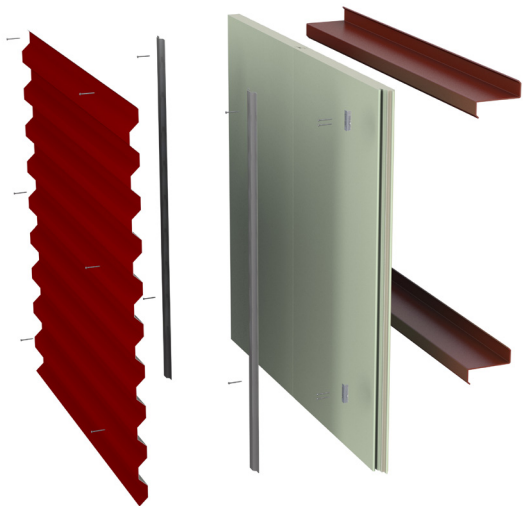
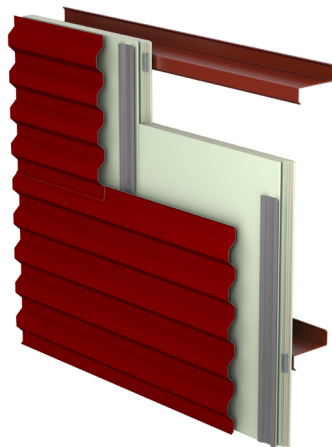
The BW Stretch System is the ultimate backup wall system providing superior air, water, thermal and vapor protection in an all-in-one barrier component. It can be vertically installed with multiple types of exterior rainscreen systems and can span up to 6 ft. o.c. This unique insulated metal panel wall system introduces the new standards in cost savings, design integrity and sustainability. Easily and quickly installed in a single step, the BW Stretch System eliminates the need for multiple work crews, expediting close-in/dry-in building times and reducing the likelihood of improper installation.

LOCK & GROOVE
SYSTEM

PANEL



PANEL PROFILE



BW STRETCH SYSTEM™

PRODUCT SPECIFICATIONS

WIDTH • 30", 36"

THICKNESS • 2", 2¾", 4"

LENGTH • 12'-0" or 20'-0" Vertical

EXTERIOR PROFILE • No profile, unembossed

EXTERIOR FACE • G-90 galvanized steel in 22 Ga. with epoxy primer finish

INTERIOR PROFILE • Shallow Planked, nominal ¾" deep, unembossed

INTERIOR FACE • G-90 galvanized steel in 26 Ga. with epoxy primer finish

CORE • Foamed-in-place polyisocyanurate

JOINT • Double tongue-and-groove

THERMAL VALUE • K-Factor* @ 35° F (2° C) is 0.119

U-FACTORS AND R-VALUES

U-FACTOR (BTU/h-ft²·°F)

R-VALUE (h-ft²·°F/BTU)

| PANEL WIDTH: 36" | | PANEL WIDTH: 36" | |
|------------------|-------|------------------|------|
| | 35° | | 35° |
| 2" | 0.063 | 2" | 16.7 |
| 2¾" | 0.046 | 2¾" | 23.0 |
| 4" | 0.034 | 4" | 33.5 |

*k-Factor Units: BTU in/ft²·hr. °F, Based on ASTM C518, 35° core mean temp.

**Based on ASTM C1363, 35°F core mean temp.

DESIGN FEATURES & BENEFITS

- Provides air, water, thermal and vapor barrier in one step
- Allows you to use multiple façade options while not reducing thermal efficiency
- Easy and fast installation, with reduced construction and labor costs
- Encloses the building faster in all weather conditions

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 | Representative mockup tested in accordance with NFPA 285-19. Contact Metl-Span for complying wall assemblies |
| Fire Canada | CAN/ULC S101 | Fire Endurance Tests of Building Construction and Materials | Meets Acceptance Criteria per the National Building Code of Canada |
| | CAN/ULC S102 | Surface Burning Characteristics of Building Materials and Assemblies | Meets the Acceptance Criteria per the National Building Code of Canada |
| | CAN/ULC S134 | Fire Test of Exterior Wall Assemblies | Meets Acceptance per the National Building Code of Canada. Testing performed on panel only |
| Structural | ASTM E72 | Strength Tests of Panels for Building Construction | See load/span tables |
| Thermal Performance | ASTM C518 | Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus | k-Factor of 0.119 BTU-in/hr-ft ² ·°F at 35°F mean core |
| | ASTM C1363 | Thermal Performance of Building Materials and Envelope Assemblies | See Thermal Performance Guide |
| Air Infiltration | ASTM E2357 | Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences | Meets Acceptance Criteria per the International Energy Conservation Code and the National Energy Code of Canada. Maximum Air Infiltration Rate of 0.004 cfm/sq. ft. at a static-air-pressure difference of 1.57 psf |

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