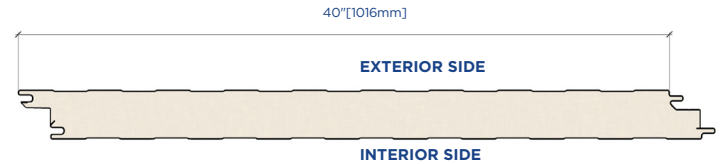
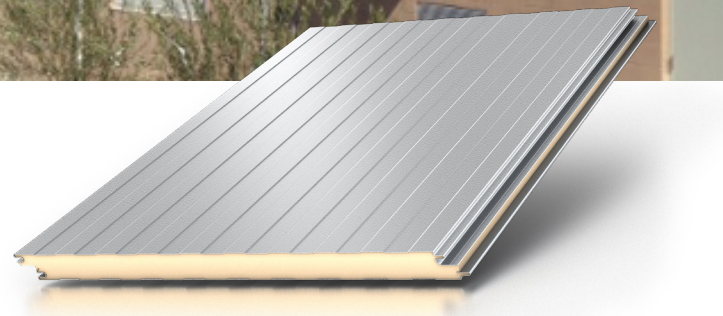




Features & Benefits

- Highly efficient and flexible insulated metal panel design is ideal for commercial, industrial and controlled environment applications
- Provides long-term thermal, moisture and vapor transmission performance
- Panel joinery is designed to permit installation of the panel vertically or horizontally
- Composite panel simplifies design, reduces complexity, improves efficiency and reduces installation costs
- Single component wall design includes exterior aesthetic, weather barrier, insulation and vapor barrier



Product Specifications

| | | | | | | | |
|--|--|-------------------------------------|----------|-----------|-----------|-----------|-----------|
| Profile | Exterior | Embossed, Lightly Planked, Mesa Rib | | | | | |
| | Interior | Embossed, Lightly Planked, Mesa Rib | | | | | |
| Exterior Face Skin | 26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel* | | | | | | |
| Interior Face Skin | 26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel | | | | | | |
| Panel Module** | 40"[1016mm] | | | | | | |
| Lengths** | Minimum: 8'[2.44m], Maximum: 50'[15.24m] | | | | | | |
| Side Lap | Double Tongue and Groove | | | | | | |
| GWP± | 5.6 to 10.5 Lb CO ₂ eq/ft ² [27.2 to 51.2 kg CO ₂ eq/m ²] | | | | | | |
| Thermal Performance[†] | | | | | | | |
| Thickness | 2"[51mm] | 2.5"[64mm] | 3"[76mm] | 4"[102mm] | 5"[127mm] | 6"[152mm] | 8"[203mm] |
| R-Value @ 75°F mean (°F·ft²·h/BTU) | 14 | 18 | 21 | 28 | 36 | 43 | 57 |
| U-Value @ 75°F mean (BTU/°F·ft²·h) | 0.069 | 0.056 | 0.046 | 0.035 | 0.028 | 0.023 | 0.017 |
| R-Value @ 35°F mean (°F·ft²·h/BTU) | 16 | 20 | 24 | 32 | 41 | 49 | 65 |
| U-Value @ 35°F mean (BTU/°F·ft²·h) | 0.061 | 0.049 | 0.041 | 0.031 | 0.024 | 0.020 | 0.015 |

* For interior applications only

** Contact AWIP for Custom Sizes

† Thermal values as tested per ASTM C518

± Per EPD based on TRACI method from cradle to gate(A1-A3). Lower range based on 2" 26/26 gauge panel. Higher limit based on 6" 22/22 gauge panel. Not all profiles are available in these specific configurations, contact AWIP for more information.

Testing & Approvals

| Category | Test | Test Title | Results |
|-------------------|-----------------------|---|--|
| Fire | FM 4880 | Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels | Passed: Class 1 Fire Rating of Building Panels or Interior Finish Material |
| | ASTM E84 | Surface Burning Characteristics of Building Materials | Flame Spread Index: 25 or less Smoke Developed Index: 450 or less |
| | NFPA 285 | Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies | Passed |
| | NFPA 286 | Room Fire Growth for Wall and Ceiling Interior | Passed Maximum 6"[152mm] thickness |
| | NFPA 268 | Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source | Assembly tested meets the requirements of the standard |
| | CAN/ULC S101 - 15 min | Fire Endurance | Maximum 6"[152mm] thick. Vertical and horizontal orientations |
| | CAN/ULC S102 | Flame Spread/Smoke Developed | FSI ≤ 20, SDI ≤ 195 |
| | CAN/ULC S134 | Exterior Wall Assembly | Maximum 6"[152mm] thick. Vertical orientations |
| | CAN/ULC S138 | Room Corner Test | Maximum 6"[152mm] thick. Vertical and horizontal orientations |
| Water Penetration | ASTM E331 | Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference | No uncontrolled water penetration at 20 PSF differential pressure for a duration of 2-hours |
| Air Infiltration | ASTM E283 | Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors | <0.01 CFM/ft ² of Panel Area at 20 PSF |
| Structural | FM 4881 | Class 1 Exterior Wall Systems | See FM Approval Guide or contact Technical Services Minimum 2.5"[64mm] thickness |
| | ASTM E72 | Standard Test Methods of Conducting Strength Tests of Panels for Building Construction | See Span Tables |
| | ASTM E1592 | Structural Performance for Sheet Metal and Sidings Systems by Uniform Static Air Pressure Difference | See Span Tables |
| Thermal | ASTM C518 | Steady-State Thermal Transmission | Nominal R-value of 7.2 [hr·ft ² ·°F/Btu] per inch at 75°F mean temperature and 8.2 [hr·ft ² ·°F/Btu] per inch at 35°F mean temperature |
| Code Approvals | FBC | Florida Building Code | FL15060 |
| | Miami-Dade NOA | Florida Building Code | NOA No. 19-0124.03 |
| | LARR | Los Angeles Building Code | LARR No. 25697 / IAPMO ER-301 |
| | IAPMO | Various Building Codes | ER-301 |



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