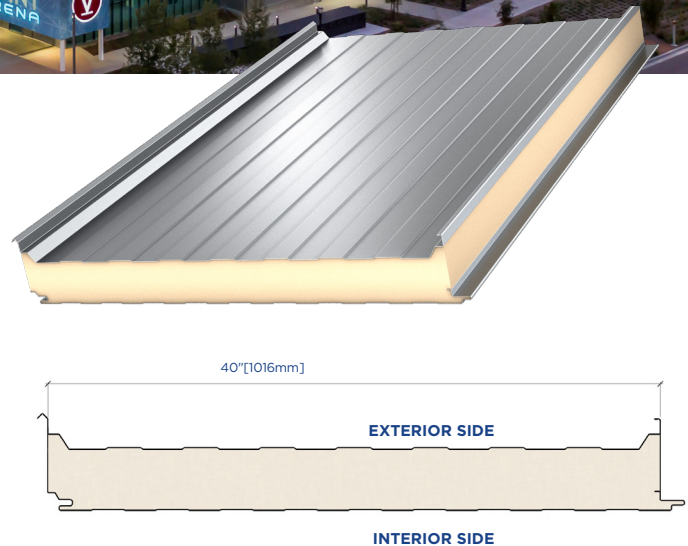




Features & Benefits

- Field seamed, hidden fastener joinery provides clean appearance and protection against the elements
- Weathertight design for use in both retrofit or new construction applications
- Composite panel simplifies design, reduces complexity, improves efficiency and reduces installation costs
- Single component roof design includes exterior aesthetic, weather barrier, insulation and vapor barrier



Product Specifications

| Profile | Exterior | Smooth | | |
|-------------------------------------|--|-------------------------------------|-----------|-----------|
| | Interior | Embossed, Lightly Planked, Mesa Rib | | |
| Exterior Face Skin | 26 Gauge G90 Galvanized or AZ50 Galvalume. 24 and 22 Gauge optional | | | |
| Interior Face Skin | 26 Gauge G90/AZ50, Optional Gauges: 24 and 22 G90/AZ50, 26 304 2B Stainless Steel* | | | |
| Slope Requirements** | Minimum 1/2: 12 | | | |
| Panel Module | 40"[1016mm] | | | |
| Lengths*** | Minimum: 8'[2.44m], Maximum: 50'[15.24m] | | | |
| Side Lap | Exterior: Standing Seam Interior: Tongue and Groove | | | |
| GWP± | 5.6 to 10.5 Lb CO ₂ eq/ft² [27.4 to 51.3 kg CO ₂ eq/m²] | | | |
| Core Type | Polyisocyanurate/ PIR | | | |
| Thermal Performance [†] | | | | |
| Thickness | 3.25"[82mm] | 4"[102mm] | 5"[127mm] | 6"[125mm] |
| R-Value @ 75°F mean (°F·ft²·h/BTU) | 23.4 | 28.8 | 36.0 | 43.2 |
| U-Value @ 75°F mean (BTU/°F·ft²·h): | 0.063 | 0.040 | 0.031 | 0.022 |
| R-Value @ 35°F mean (°F·ft²·h/BTU) | 26.6 | 32.8 | 41.0 | 49.2 |
| U-Value @ 35°F mean (BTU/°F·ft²·h): | 0.054 | 0.031 | 0.026 | 0.020 |

* For interior application only

** Contact AWIP for Custom Slope

*** Contact AWIP for Custom Sizes

† R-values as tested per ASTM C518

‡ U-values as tested per ASTM C1363

± 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.



All Weather
Insulated Panels

Testing & Approvals

| Category | Test | Test Title | Results |
|-------------------|--------------|--|--|
| Fire | FM4880 | Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels | Passed: Class 1 Fire Rating of Building Panels or Interior Finish Material |
| | NFPA 286 | Room Corner Test | Pass |
| | ASTM E84 | Surface Burning Characteristics of Building Materials | Flame Spread Index: 25 or less Smoke Developed Index: 450 or less |
| | ASTM E108 | Roof Coverings Fire Test | Pass** |
| | CAN/ULC S126 | Fire Spread Under Roof | Pass |
| | CAN/ULC S138 | Room Corner Test | Pass* |
| Air Infiltration | ASTM E1680 | Air Infiltration | <0.01 cfm/ft2 @ 12 PSF*** |
| Water Penetration | ASTM E1646 | Water Penetration | No leakage at 20 PSF*** |
| Structural | FM 4471 | FM Class 1 Panel Roof | Pass. See RoofNav for rated assemblies. |
| | ASTM E1592 | Structural Performance for Sheet Metal and Sidings Systems by Uniform Static Air Pressure Difference | See load tables |
| Thermal | ASTM C518 | Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus | "Nominal R-value of 7.2 [hr·ft2·°F/Btu] per inch at 75°F mean temperature and 8.2 [hr·ft2·°F/Btu] per inch at 35°F mean temperature |
| | ASTM C1363 | Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus | U-values are tested with 2", 4" and 6" thicknesses. U-values for other thicknesses are interpolated. See U-values in the table on page 1 |
| Code Approvals | IAPMO | Various Building Codes | ER-301 |
| | FBC | Florida Building Code | FL14700 |
| | TDI | Texas Department of Insurance | RC-684 |

*Not available for 3-1/4"

**Installation into steel supports only

***Tested at flat/no roof slope



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