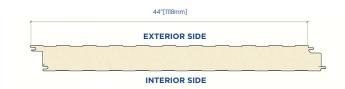


- installation
- Versatile panel that can be configured as partition walls or ceiling panels
- Bright, clean uniform surface that is durable and washable
- Can be incorporated with other AWIP panels, accessories, and products for a complete system for controlled environment applications



Product Specifications±

| Profile | Exterior Embossed, Lightly Planked, Mesa Rib, Optional Flat | | | | | | |
|--------------------------------------|---|------------|-------------|---------------|----------------|-----------|-----------|
| | Interior | | Embossed, L | ightly Planke | d, Mesa Rib, F | lat | |
| 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** | 44"[1118mm] | | | | | | |
| 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/ft² [27.2 to 51.2 kg CO ₂ eq/m²] | | | | | | |
| Core Type | Polyisocyanurate/ PIR | | | | | | |
| 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) | 14.4 | 18.0 | 21.6 | 28.8 | 36.0 | 43.2 | 57.6 |
| U-Value @ 75°F mean (BTU/°F·ft2·h) : | 0.102 | 0.088 | 0.073 | 0.044 | 0.033 | 0.022 | 0.023 |
| R-Value @ 35°F mean (°F·ft2·h/BTU) | 16.4 | 20.5 | 24.6 | 32.8 | 41.0 | 49.2 | 65.6 |
| U-Value @ 35°F mean (BTU/°F·ft2·h) : | 0.093 | 0.078 | 0.064 | 0.034 | 0.027 | 0.020 | 0.018 |

- ± **IP44 is for interior applications only**** Contact AWIP for Custom Sizes
 † R-values as tested per ASTM C518

- ‡ U-values as tested per ASTM C1363



IP44 Interior Panel AWIP PRODUCT DATA SHEET

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 286 | Room Fire Growth for Wall and Ceiling Interior | Passed | | | |
| | CAN/ULC S101 - 15 min | Fire Endurance | Maximum 6"[152mm] thickness. Vertical and horizontal orientations | | | |
| CAN/ULC S102 | | Flame Spread/Smoke Developed | FSI ≤ 20, SDI ≤ 195 | | | |
| | CAN/ULC S138 | Room Corner Test | Maximum 6"[152mm] thickness | | | |
| 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/ft2 of Panel Area at 20 PSF | | | |
| 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·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" 6" and 8" thicknesses. U-values for other thicknesses are interpolated. See U-values in the table on page 1 | | | |



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