

HR5

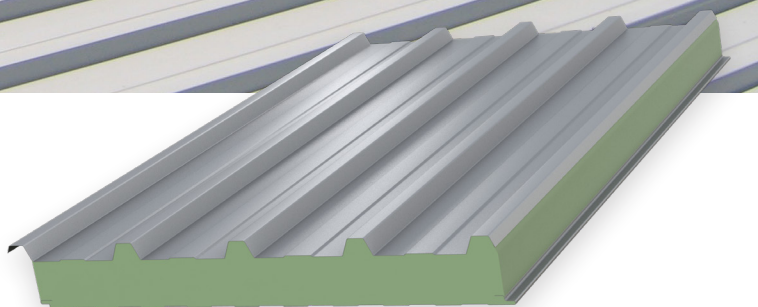
High Rib Roof Panel with InnovaCELL™ Technology

AWIP PRODUCT DATA SHEET



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



40" [1016mm]

EXTERIOR SIDE

INTERIOR SIDE

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 1:12 | | | |
| Panel Module** | 40" [1016mm] | | | |
| Lengths** | Minimum: 8', Maximum: 50' | | | |
| Side Lap | Exterior: Trapezoidal Overlap | | Interior: Shiplap | |
| Core Type | InnovaCELL Technology | | | |
| Thermal Performance [†] | | | | |
| Thickness | 1.5" [38mm] | 2.5" [64mm] | 3" [76mm] | 4" [102mm] |
| R-Value @ 75°F mean (°F·ft ² ·h/BTU) | 12 | 20 | 24 | 32 |
| U-Value @ 75°F mean (BTU/°F·ft ² ·h)‡ | 0.089 | 0.054 | 0.046 | 0.035 |
| R-Value @ 35°F mean (°F·ft ² ·h/BTU) | 12.75 | 21.25 | 25.5 | 34 |
| U-Value @ 35°F mean (BTU/°F·ft ² ·h)‡ | 0.083 | 0.050 | 0.042 | 0.026 |

*Contact AWIP for Custom Slope

** Contact AWIP for Custom Sizes

† Thermal values as tested per ASTM C518

InnovaCELL™

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 |
| | NFPA 286 | Room Corner Test | Pass Maximum of 6" |
| | ASTM E84 | Surface Burning Characteristics of Building Materials | Flame Spread Index: 25 or less Smoke Developed Index: 450 or less |
| | CAN/ULC S126 | Fire Spread Under Roof | Pass |
| | CAN/ULC S138 | Room Corner Test | Pass |
| Water Penetration | ASTM E1646 | Water Penetration | No leakage at 12 PSF*** |
| Air Infiltration | ASTM E1680 | Air Infiltration | <0.036 cfm/ft2 @ 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 Span Tables |
| Thermal | ASTM C518 | Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus | "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 | TDI | Texas Department of Insurance | RC-683 |

**Installation into steel supports only

***Tested at flat/no roof slope



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