

All Weather Insulated Panels

Proven solutions for temperature-controlled environments



All Weather
Insulated Panels

Your vision. Our purpose.



Cuisine Solutions | San Antonio, TX



Michael Lewis Co. | Goodyear, AZ



Kehe Foods | Goodyear, AZ

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At press time, all the information in this brochure was deemed accurate. To confirm the most recent product details, navigate to our website using the QR codes on each page.

Structural and fire performance ratings are subject to factors such as panel type, thickness, orientation, and assembly method. Refer to All Weather Insulated Panels standard product details, installation guides, and applicable design listings. For project-specific design assistance, please contact All Weather Insulated Panels Technical Services.

Kehe Foods | Goodyear, AZ



Our Products



Cuisine Solutions | San Antonio, TX

Our Products

From floor to roof and everywhere in between, All Weather Insulated Panels offers the total solution for your temperature-controlled storage needs. Discover our complete suite of wall products, underfloor insulation and accessories packages.

As building codes demand improved energy efficiency, All Weather Insulated Panels are the preferred choice for delivering the optimal thermal capabilities, design flexibility and building performance that eco-conscious builders, designers and owners require.

Product Features and Performance Benefits



Economical insulated metal panel for commercial, industrial and temperature-controlled facilities



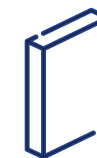
Panel joinery is designed to permit installation of the panel in a vertical or horizontal position



One panel total wall design includes exterior aesthetic, weather barrier, insulation and vapor barrier



High R-values up to R-57* for an 8" panel thickness provide long-term energy savings



Composite panel simplifies design, improves efficiency and reduces installation costs

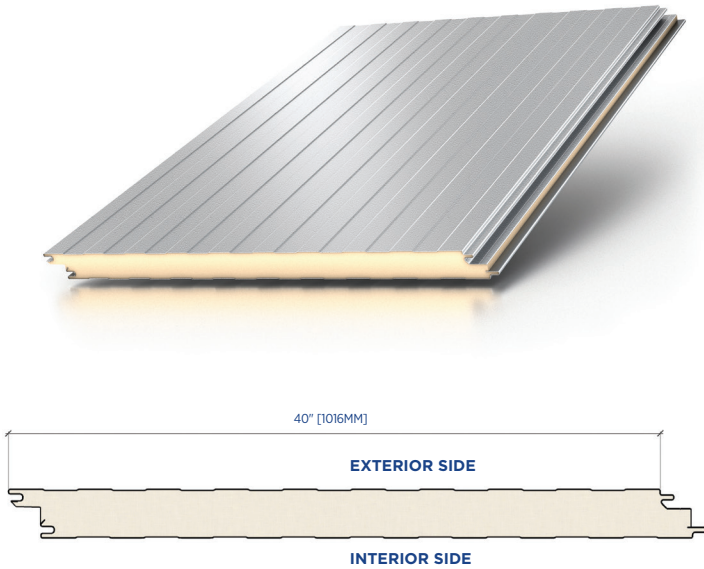
*per ASTM C518 @ 75 degrees

Mesa DM40

Our Mesa (DM40) insulated metal panel is an economical choice for exterior and interior industrial controlled-temperature facilities.

Features and Benefits

- Available in thicknesses up to 8 inches, offering outstanding thermal performance for cold storage buildings
- Panels are embossed and lightly planked to provide a uniform exterior wall aesthetic
- Also available in standard lengths up to 50 feet long, which can minimize panel end joint conditions and improve installation time



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/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

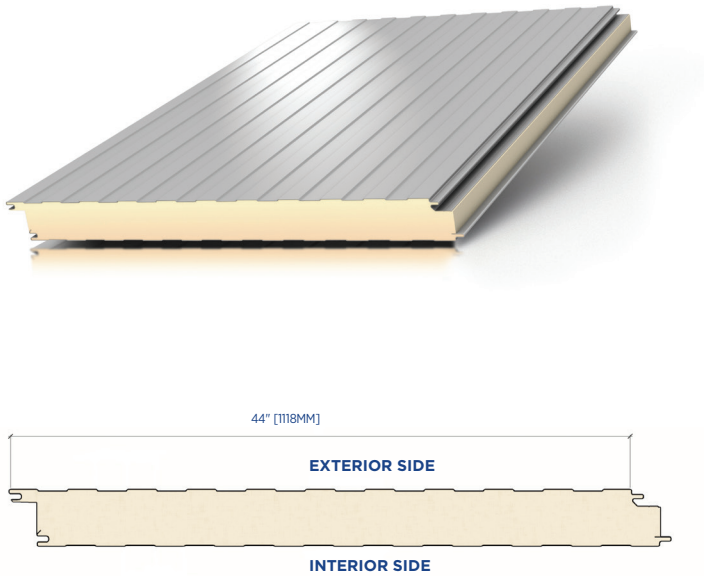
* For interior applications only
** Contact AWIP for Custom Sizes
† Thermal values as tested per ASTM C518
‡ U-values as tested per ASTM C1363
± Per EPD based on TRACI method from cradle to gate(A1-A3). Lower range based on 2" 26/26 gauge panel. Higher limit based on 6" 22/22 gauge panel. Not all profiles are available in these specific configurations, contact AWIP for more information.

Mesa DM44

Designed for interior industrial and partition wall facilities, Mesa (DM44) is ideal for partition wall applications. With panels that are 4 inches wider, DM44 provides many benefits.

Features and Benefits

- R-values† from 14 to 68
- Excellent thermal performance
- 44 inch width means fewer panels for contractors to install



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**	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/ft ² [27.2 to 51.2 kg CO ₂ eq/m ²]						
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·ft ² ·h/BTU)	14.4	18.0	21.6	28.8	36.0	43.2	57.6
U-Value @ 75°F mean (BTU/°F·ft ² ·h):	0.102	0.088	0.073	0.044	0.033	0.022	0.023
R-Value @ 35°F mean (°F·ft ² ·h/BTU)	16.4	20.5	24.6	32.8	41.0	49.2	65.6
U-Value @ 35°F mean (BTU/°F·ft ² ·h):	0.093	0.078	0.064	0.034	0.027	0.020	0.018

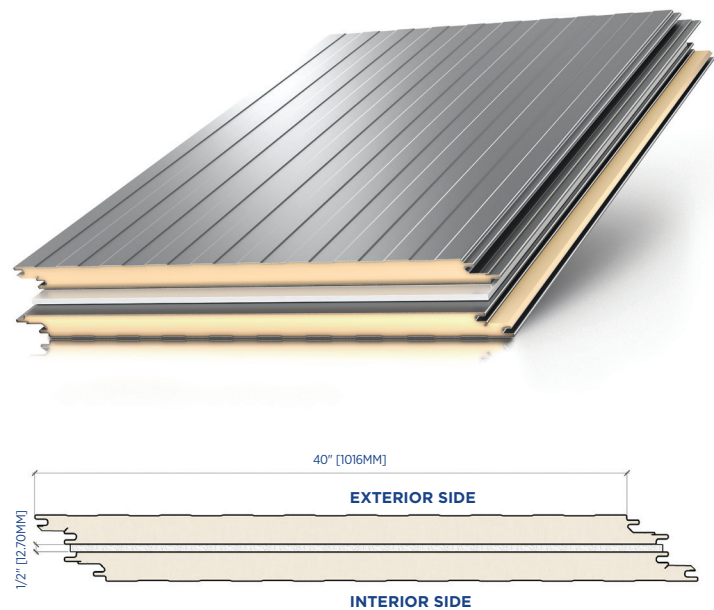
* For interior applications only
** Contact AWIP for Custom Sizes
† Thermal values as tested per ASTM C518
‡ U-values as tested per ASTM C1363
± Per EPD based on TRACI method from cradle to gate(A1-A3). Lower range based on 2" 26/26 gauge panel. Higher limit based on 6" 22/22 gauge panel. Not all profiles are available in these specific configurations, contact AWIP for more information.

fiRe-Rated Panels

For your cooler applications, look no further for a 1-Hour fire-rated wall with superior thermal performance compared to mineral fiber. Designed specifically for temperature-controlled environments, our 4.5-inch thick fiRe-rated wall panels are able to meet fire-rating requirements while still keeping the required R-value for cold storage.

Features and Benefits

- Nearly twice the R-value/inch compared to traditional mineral fiber panels
- Factory-assembled composite for one-step installation
- Composite panel system is lighter than comparable mineral fiber panels with similar R-value
- Available in all 40 inch wide AWIP wall panel profiles
- Hidden fastening at joints
- Designed for interior partitions or exterior wall applications



Product Specifications

Profile	DM40-F, FL40-F, HE40-F, HE40A-F, MV40-F, ST40-F
Exterior Face Skin	26 Gauge G90 Galvanized or AZ50 Galvalume
Interior Face Skin	26 Gauge G90 Galvanized or AZ50 Galvalume
Panel Module	40" [1016mm]
Lengths	Minimum: 8' [2.44m], Maximum: 40' [12.19m]
Side Lap	Tongue and Groove
Core Type	Polyisocyanurate / PIR
Thermal Performance†	
Thickness	4.5" [114.30mm]
R-Value @ 75°F mean (°F·ft²·h/BTU)	28.8
U-Value @ 75°F mean (BTU/°F·ft²·h)‡	0.055
R-Value @ 35°F mean (°F·ft²·h/BTU)	32.8
U-Value @ 35°F mean (BTU/°F·ft²·h)‡	0.051

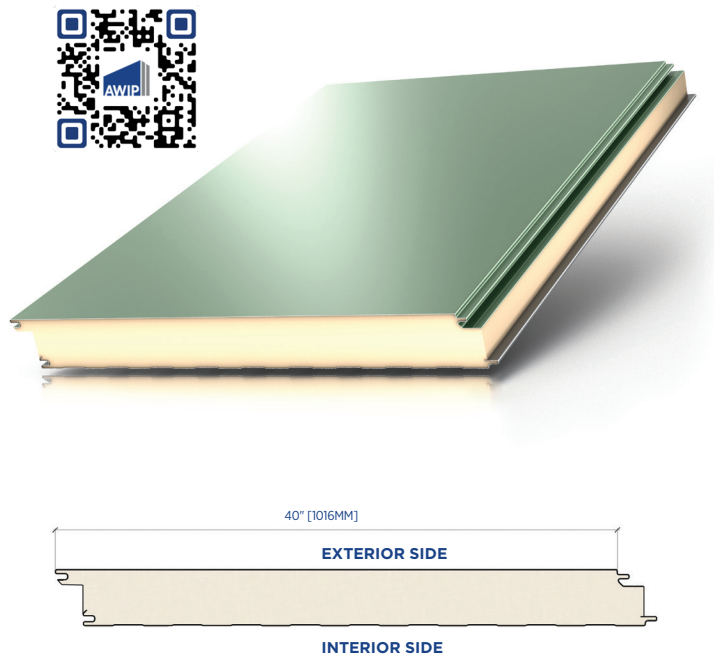
† Thermal values as tested per ASTM C518
‡ U-values as tested per ASTM C1363

OneDek® Insulated Roof Deck

Ideal for freezer and cooler applications, OneDek is a high-performance, transformative alternative to traditional low-slope roofing systems.

An Ideal Choice

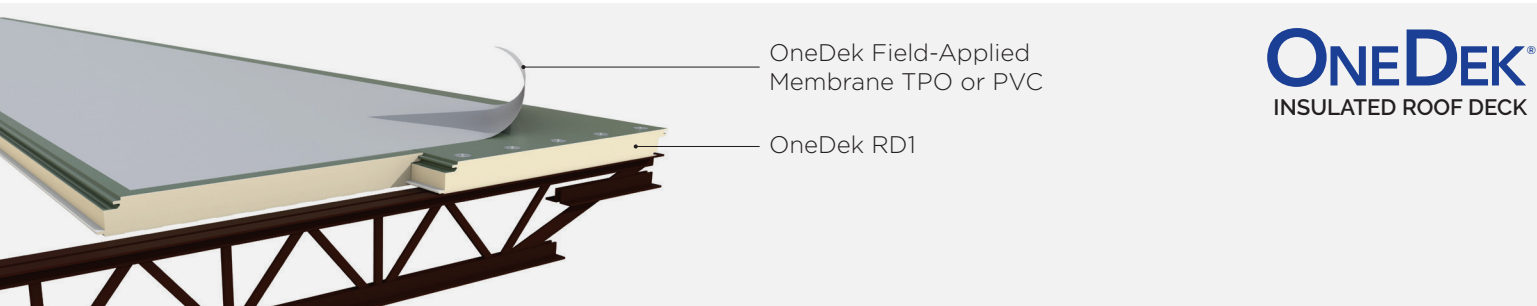
OneDek transforms roof installation in temperature-controlled environments with speed, simplicity, and efficiency. Its insulated panels reduce assembly steps, fasteners, and the need for cross-bracing, while minimizing trades, deliveries, and on-site waste. By streamlining installation, OneDek lowers project complexity, risk of failure, and overall costs. The system is backed by our 20-year no dollar limit (NDL) weather-tight roof warranty, giving you confidence in a faster, more reliable roofing solution.



Product Specifications

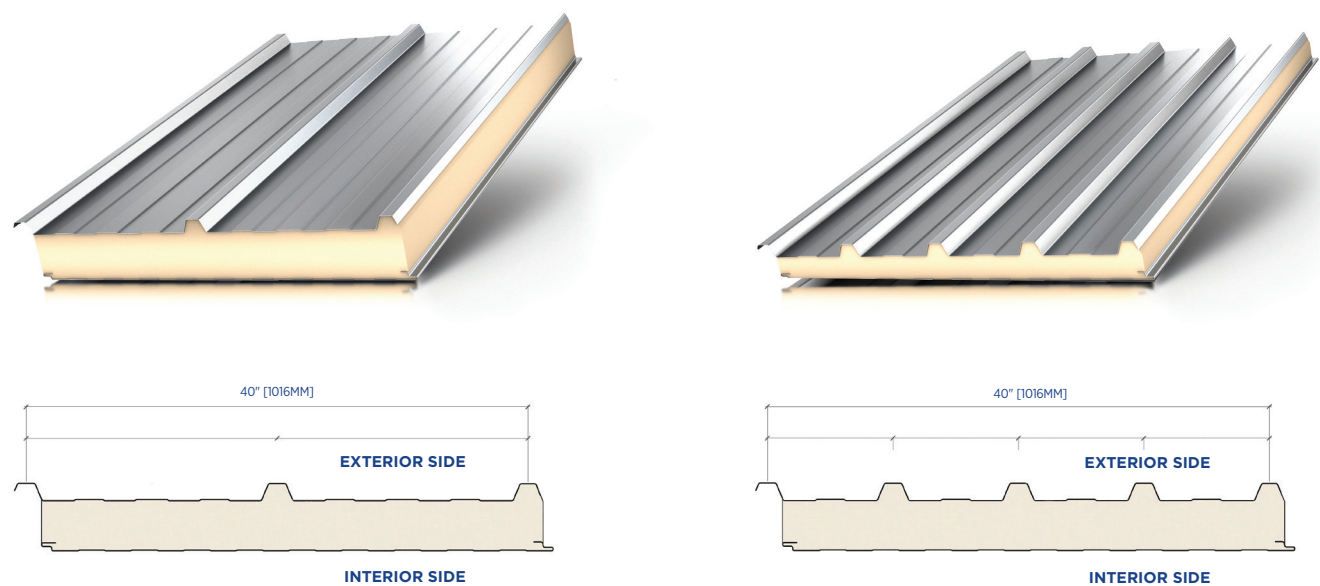
Profile	Exterior	Smooth Flat					
	Interior	Embossed, Lightly Planked, Mesa Rib					
Exterior Face Skin	26 Gauge G90 Galvanized or AZ50 Galvalume. 24 and 22 Gauge optional						
Interior Face Skin	26 Gauge G90 Galvanized or AZ50 Galvalume. 24 and 22 Gauge optional, 26 304 2B Stainless Steel*						
Slope Requirements	Minimum 1/4:12 slope, Maximum 1:12 TPO, 2:12 PVC						
Panel Module**	40" [1016mm]						
Lengths**	Minimum: 8' [2.44m], Maximum: 50' [15.24m]						
Side Lap	Double Tongue and Groove						
GWP±	5.7 to 10.6 Lb CO ₂ eq/ft² [27.6 to 51.9 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

* For interior applications only
** Contact AWIP for Custom Sizes
† Thermal 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.



Roofing

Designed to give the look of a traditional metal roof with all the benefits of an insulated metal panel, our roofing products allow for field seamed, hidden fastener joinery for protection against the elements, supported by a 20-year weather tightness warranty.



HR3 High Rib Roof Panel

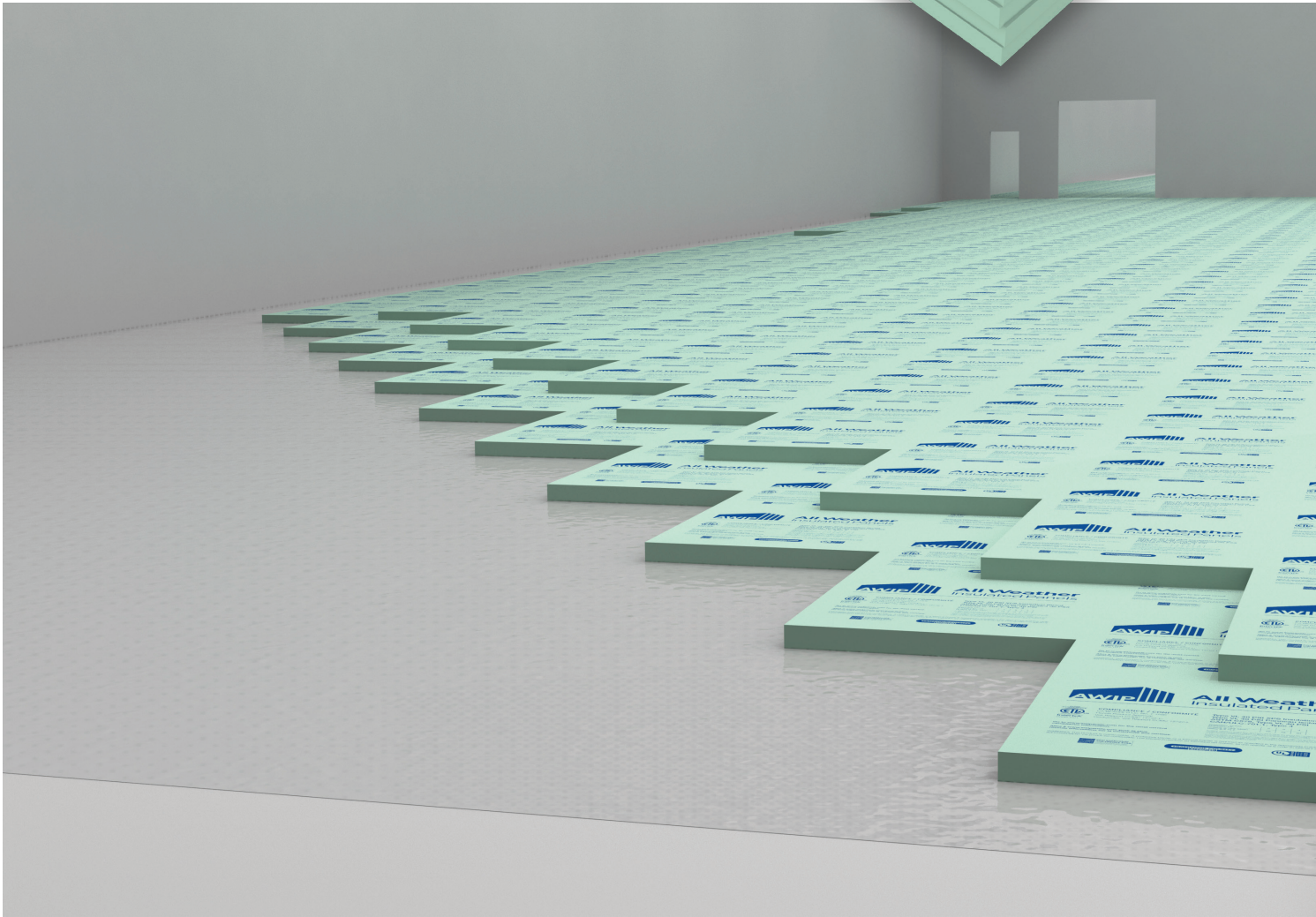
HR5 High Rib Roof Panel



Floor Insulation

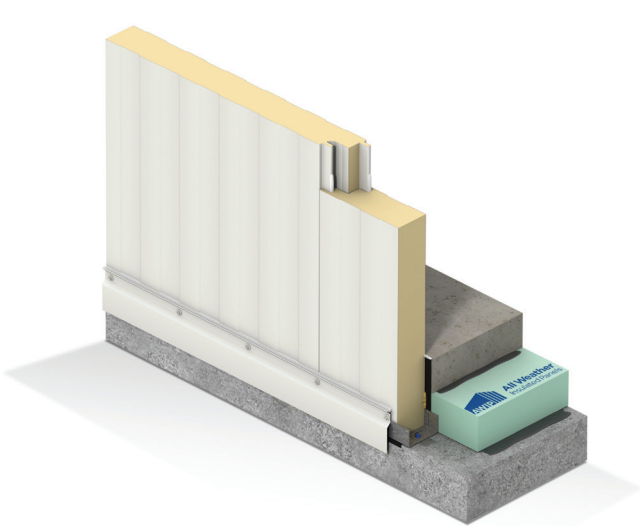
GreenGuard Insulation Board

To supplement your cooler and freezer building envelope needs, we offer the GreenGuard XPS Insulation suitable for normal loading situations, including cold-storage floors. With high water resistance, closed cell structure and an R-value of 5.0 per inch of thickness, the GreenGuard Insulation board is the perfect solution for the needs of your project. Easy to handle and to cut with a knife, this XPS Insulation exceeds all TypeIV (30psi), VI (40psi) and VII (60psi) specifications.



Accessories

We take care throughout our system connections to ensure performance is realized. Our comprehensive product offering is complemented by well cultivated connection details, BIM objects, installation manuals and technical support, including but not limited to fasteners, trims, clips, butyl and base angle.



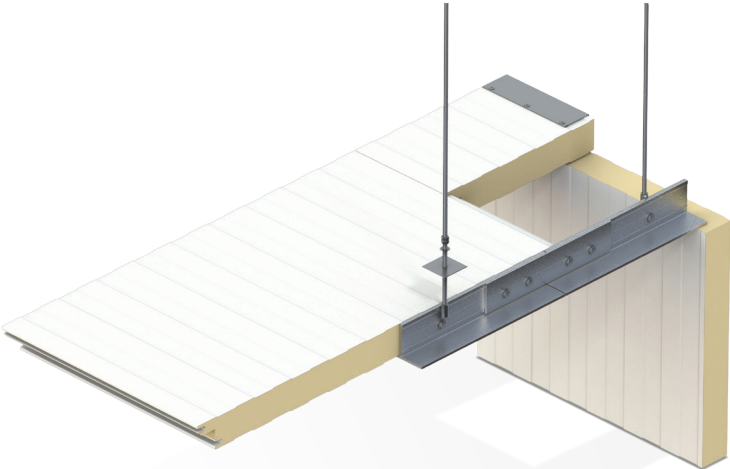
Base



Wall to Ceiling Intersection



Long Span Clip



Ceiling Tee

Colors

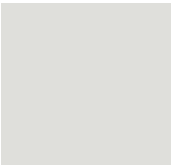
All Weather Insulated Panels (AWIP) offers factory coating solutions for a multitude of building designs and performance requirements. Equipped with the latest cool color pigment technologies and a variety of specific formulations to protect your building envelope from the outside or the inside, AWIP has the paint system to match your task.

- Embossed metal surfaces are offered as a standard on wall panels and non-embossed (smooth) for roof panels. Non-embossed finishes

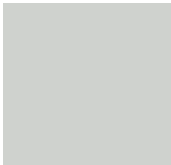
may be available on wall panels upon request depending on color, gauge and end use.

- Premium colors, paint systems and special orders are subject to higher pricing and extended lead times.
- Complete paint system specifications and standard finish warranties are available upon request.

Standard SMP



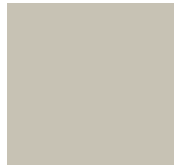
IMPERIAL WHITE
SR .70 | E .86 | SRI 85



POLAR WHITE
SR .61 | E .86 | SRI 72



LIGHT STONE
SR .56 | E .86 | SRI 65

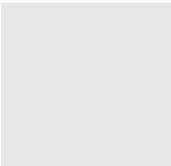


SANDSTONE
SR .60 | E .85 | SRI 71



SURREY BEIGE*
SR .53 | E .86 | SRI 61

Standard PVDF



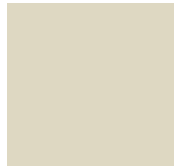
REGAL WHITE
SR .72 | E .87 | SRI 88



PEARL GRAY*
SR .49 | E .86 | SRI 56



TUNDRA*
SR .45 | E .87 | SRI 51



ALMOND
SR .63 | E .87 | SRI 75



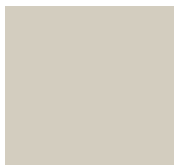
SURREY BEIGE*
SR .48 | E .85 | SRI 54



REDDENED EARTH*
SR .44 | E .86 | SRI 49



SANDSTONE
SR .61 | E .85 | SRI 72



WARM WHITE
SR .64 | E .87 | SRI 77

Premium SMP



ASH GRAY*
SR .46 | E .86 | SRI 52

Premium PVDF



SNOW WHITE
SR .67 | E .87 | SRI 81

*Coolers only

BIM & Design Services

Our Customer First mentality means our team is available to assist you every step of the way, from design calculations through to the estimating and sales process. Go to awipanel.com/contact to get started with your sales representative today.



BIM 3D Viewer

Use our 3D Viewer, Glimpse3D®, to see our construction details like never before. Get a great visualization of standard finishes by selecting colors for roof and wall panels. Our convenient tool allows you to “Explode” and “Assemble” all of the various components in the detail and investigate each individual object up close. With the ability to hide or make components translucent, our easy-to-use interface provides understanding of how the components fit together. The ability to download interactive versions via pdf ensures you will always have what you need at your desk or in the field.

BIM Configurator

Our BIM Configurator lets you design, configure and download BIM objects from All Weather Insulated Panels in more than 140 different formats including Revit, ArchiCAD and Tekla, as well as 2D drawings and PDF datasheets.

BIM Bundle

From insulated roof and wall panels to insulated decks, the BIM Bundle puts together a package specific to your project needs. Simply indicate your requirements, and a custom BIM Bundle will be sent to you from our digital team. With global Revit prowess and great direct product knowledge, our internal team creates and manages all the Revit project files with multiple levels of detail and materials to ensure our products meet the demanding requirements of your project.



Scan to access our BIM tools



We Are Planet Passionate

At All Weather Insulated Panels, we are genuinely committed to our planet and making an impact on future generations. We design products that improve the efficiency of buildings, strive for net zero carbon manufacturing, are active in community activities that positively impact the environment and serve as a Green Business Certification Inc. (GBCI) education provider.

Our 2030 Global Commitments

ENERGY

- 60% direct renewable energy by 2030
- ISO 50001 energy management system for large sites*
- Install solar PV systems on all owned facilities by 2030

CARBON

- 70% reduction in scope 1 and 2 GHG emissions by 2030
- 15% carbon intensity reduction for key raw materials by 2030
- 90% Zero emission company funded cars annual replacements by 2030

CIRCULARITY

- Zero company waste to landfill by 2030
- 1.5 Million tonnes of recycled and renewable raw materials used annually by 2030
- Facilitate product takeback and recycling schemes by 2030

WATER

- 100 million litres of rainwater harvested annually by 2030

LEED Credits

Using All Weather Insulated Panels can contribute to LEED version 4.1 credits in the following categories:

Material and Resources

Sustainable Sites

Indoor Environment

Energy and Atmosphere

Innovation





Scan for the most current
product information



All Weather
Insulated Panels

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