



COLD STORAGE

PRODUCT SHOWCASE



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INDUSTRY LEADER

INSULATED METAL PANELS

METL-SPAN DELIVERS HIGH-QUALITY, DURABLE AND ENERGY-EFFICIENT SOLUTIONS DESIGNED FOR UNPARALLELED PERFORMANCE TO STAND THE TEST OF TIME.

Metl-Span is a dynamic industry innovator dedicated to manufacturing and providing the highest quality insulated building panel products. Since our origination in 1968, we have been pioneers in research, design, production and sale of state-of-the-art insulated metal panels for institutional, commercial, industrial and cold storage buildings.

Metl-Span ensures you will remain on-time and on-budget with your building projects through our unmatched customer service. Because our employees understand your needs and are committed to your success, we provide you with the tools needed to incorporate our insulated panels into virtually any building design.



PROJECT: SIRNA & SONS PRODUCE
PANEL TYPE: FLUTE, LIGHT MESA, MESA
LOCATION: RAVENNA, OHIO

WHY INSULATED METAL PANELS (IMPs)

FEATURES & BENEFITS



ALL-IN-ONE BARRIER

Metl-Span panels are comprised of an advanced urethane core* that is injected between two pre-finished steel facings, forming a single, all-in-one unit. The result is the most thermally efficient panel available. Wall panels also have a specifically formed side joint that permits the hidden application of sealant within recessed grooves, creating an impenetrable water and vapor seal that protects your building against extreme weather.



TIME

Metl-Span panels are pre-fabricated units, shipped to the jobsite ready-to-install in nearly all types of weather.



LABOR COSTS

Insulated metal panels are designed for easy and efficient installation to keep your project on schedule with concealed fastener system in the side joint. It allows quick installation, reducing construction time and getting closed in sooner.

IMPs reduce the amount of labor trades associated with conventional multi-component wall and roof assemblies. IMPs all-in-one construction provides all the necessary thermal, air, vapor and water barriers in a single product.



ENERGY EFFICIENCY

Each insulated metal panel contains an advanced urethane core* that provides highly efficient insulation to drive down building energy usage and overall costs.



PRESENCE

Metl-Span strives to offer production dates determined by customer needs, not manufacturer convenience. With manufacturing locations across the United States and Canada, Metl-Span offers faster service to our customers and reduced transportation costs.



GREEN STANDARDS/SUSTAINABLE

Metl-Span panels are sustainably constructed, qualifying many buildings for credits in the Leadership in Energy and Environmental Design (LEED®) Rating System.



FIRE-RESISTANT SOLUTIONS

Composite IMPs are available, using non-structural mineral wool insulation fabricated and tested to achieve the needed fire ratings.



DESIGN FLEXIBILITY

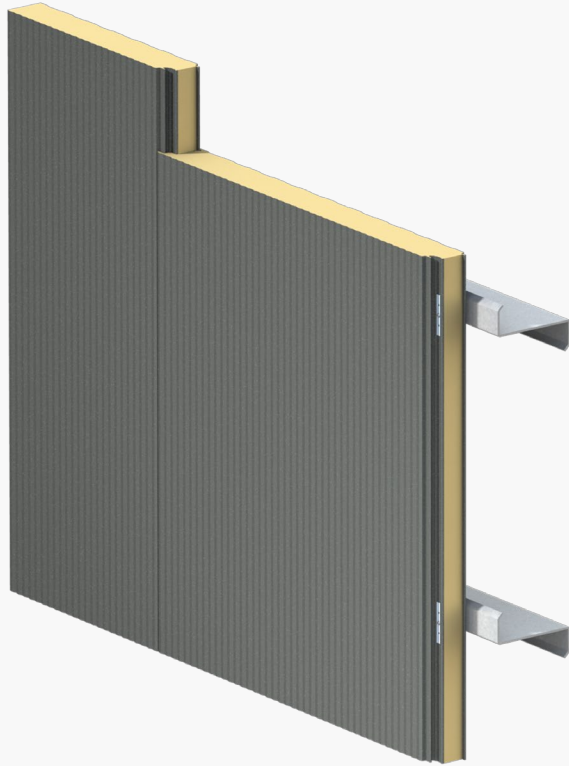
Metl-Span panels are available in a variety of flat and corrugated surfaces suitable for exterior walls, interior walls and roofs. They come in multiple profiles that can be used in either horizontal or vertical designs with custom modular widths and corners. Rounding things out is the full range of colors, reveals, and detail accessories that can support or enhance any design.

* ThermalSafe panels contain a fire-resistive mineral wool core.

ALL-IN-ONE SOLUTION

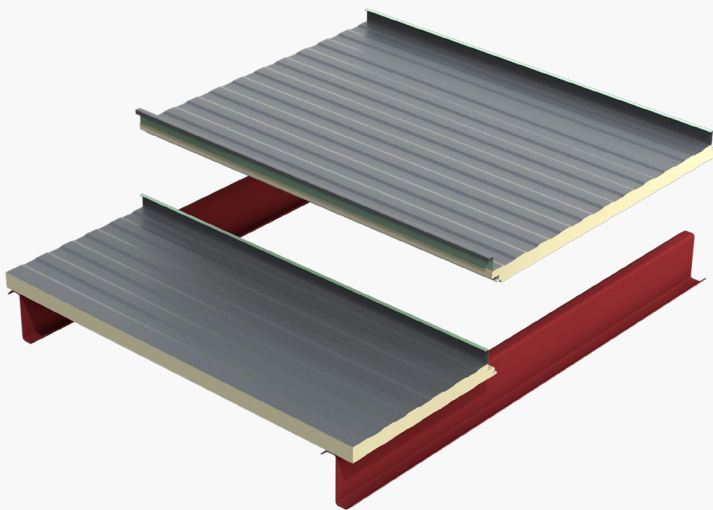
One Step to Code Compliance: IMPs create the perfect envelope solution in one easy step compared to traditional built-up methods.





INSULATED METAL PANEL WALL

- Double joint system provides redundancy against leakage.
- Rigid, continuous insulation, no loss of R-value due to compression.
- Meets or exceeds energy code requirements in ALL climate zones.
- FM 4880 Class 1 approved. Suitable for use in combustible and non-combustible construction per IBC chapter 26.



INSULATED METAL PANEL ROOF

- IMPs are rigid, no loss of R-value due to compression.
- Weathertight seams ensure proper performance against leakage.
- Panels are factory notched and swaged for ease of installation.
- Panels contain all necessary control layers (air, water, vapor and thermal).



PROJECT: BLOUNT FINE FOODS
PANEL TYPE: MESA, TUFF-CAST
LOCATION: MCKINNEY, TEXAS

WHAT WE'VE DONE

A LOOK AT OUR WORK



PROJECT: ATLANTIC HEALTHY FOODS
PANEL TYPE: FLUTE, MESA, THERMSAFE
LOCATION: ATLANTA, GEORGIA



PROJECT: STERLING MERCHANDISING
PANEL TYPE: CFR ROOF, MESA
LOCATION: BAYAMON, PUERTO RICO




OUR PRODUCTS

PRODUCT SPECIFICATIONS

Metl-Span panels serve as walls, partitions, ceilings and roofs for cooler, freezer and food-processing buildings. In addition, our panels are ideal for dry goods warehouses and other controlled environmental buildings where temperature control and insulation values are critical.

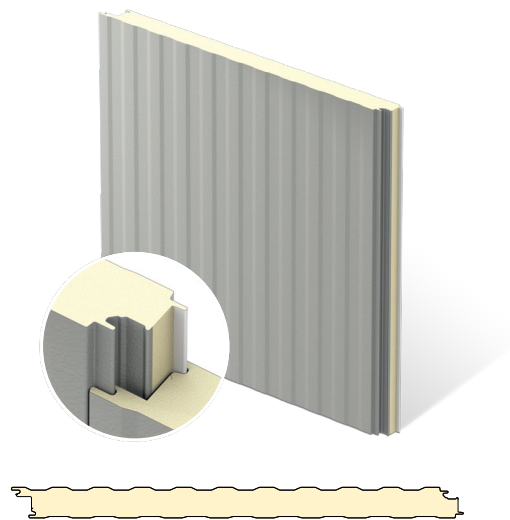
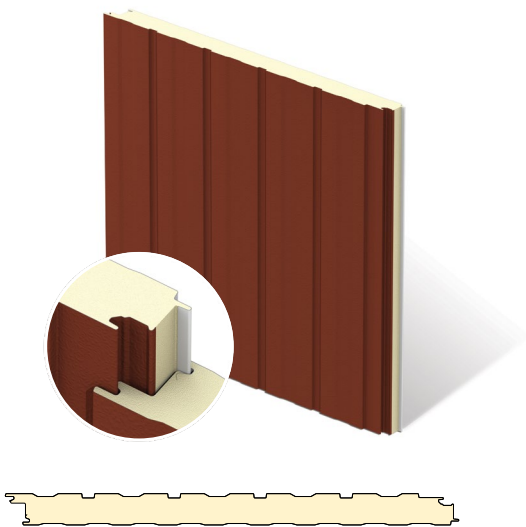
Metl-Span insulated metal panels are manufactured according to exact specifications to assure uniform quality, product consistency and optimized performance. The advanced foamed-in-place panels have a zero ozone-depleting (zero ODP) core.

With Metl-Span IMPs you have more profile selections including finished and custom lengths, face options, stainless steel or FRP substrates and a variety of USDA compliant coating options to match your project needs.



PROJECT: WINZLER FARMS BLUEBERRY
PROCESSING FACILITY
PANEL TYPE: CFR ROOF, MESA
LOCATION: CLINTON, NORTH CAROLINA





WALL PANELS

CF FLUTE

The ribbed profile of the Metl-Span CF Flute insulated metal panel provides bold vertical reveals complementary to almost any commercial or industrial building. The Flute wall panel is also a suitable profile for the exterior of cold storage buildings.

PANEL SPECIFICATIONS

Width: 42"

Thickness: 2", 2½", 2¾", 3", 4", 5", 6", 8"

Length: NON-DIRECTIONAL EMBOSSED
8'-0" to 32'-0" Horizontal
8'-0" to 52'-0" Vertical

Exterior Profile: 1" wide, nominal ⅜" deep, longitudinal reveals at 8.4" on center, embossed

Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.

Interior Profile: Mesa, nominal ⅛" deep or Light Mesa, nominal ⅙" deep, embossed or unembossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

Joint: Offset double tongue-and-groove with extended metal shelf for positive face fastening

CF MESA

The Metl-Span CF Mesa insulated metal panel is well suited for exterior and interior walls and ceiling applications. The longitudinal planks profile on both faces creates symmetry on the outside of the building and room to room within. The minor rib provides a flattened appearance. Mesa panels are ideal for exterior, interior, partition and ceiling applications.

PANEL SPECIFICATIONS

Width: 30", 36", 42"

Thickness: 2", 2½", 3", 4", 5", 6", 8"

Length: NON-DIRECTIONAL EMBOSSED
8'-0" to 32'-0" Horizontal
8'-0" to 52'-0" Vertical
UNEMBOSSED
8'-0" to 16'-0" Horizontal
8'-0" to 40'-0" Vertical

Exterior Profile: Longitudinal planks spaced at nominal 4" on center, nominal ⅛" deep, embossed or unembossed

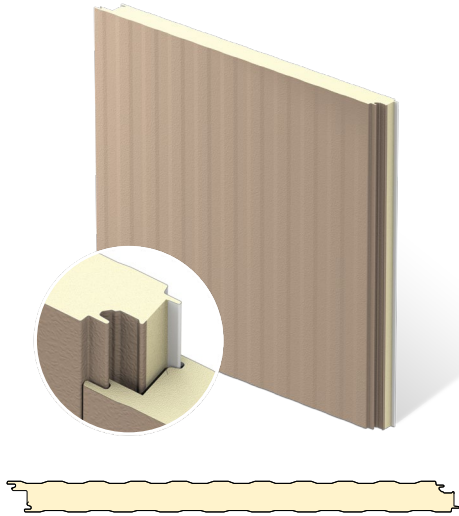
Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and **22 Ga.

Interior Profile: Mesa, nominal ⅛" deep or Light Mesa, nominal ⅙" deep, embossed or unembossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

Joint: Offset double tongue-and-groove with extended metal shelf for positive face fastening

*Available only from Nevada plant | **K-Factor calculations: Btu in/ft²hr. °F | 22[^] Ga. not available for stainless steel



CF LIGHT MESA

The Metl-Span CF Light Mesa insulated metal panel is well suited for exterior and interior walls and ceiling applications. The shallower version of the Mesa profile creates symmetry on the outside of the building and room to room within. The minor rib provides a flattened appearance. Light Mesa panels are ideal for interior, partition and ceiling applications.

PANEL SPECIFICATIONS

Width: 30", 36", 42"

Thickness: 2", 2½", 3", 4", 5", 6", 8"

Length: NON-DIRECTIONAL EMBOSSED
8'-0" to 32'-0" Horizontal
8'-0" to 52'-0" Vertical
UNEMBOSSED
8'-0" to 16'-0" Horizontal
8'-0" to 16'-0" Vertical

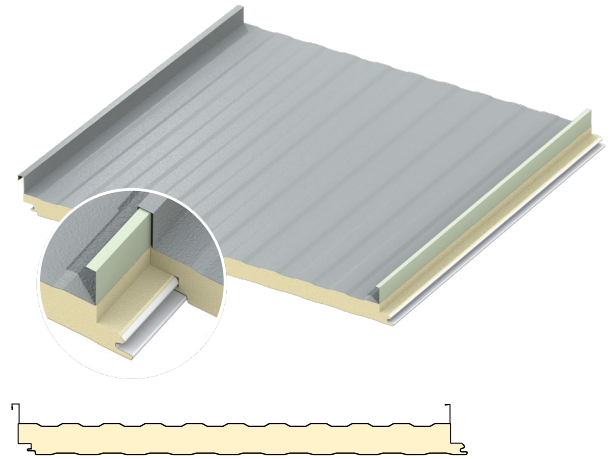
Exterior Profile: Lightly profiled ¼" deep, longitudinal planks spaced at nominal 4" on center, embossed or unembossed

Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.

Interior Profile: Light Mesa, nominal ¼" deep, embossed or unembossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

Joint: Offset double tongue-and-groove with extended metal shelf for positive face fastening



ROOF

CFR

Developed as the preeminent innovation in all-in-one composite panel design, this standing seam roof panel combines durable interior and exterior faces with our unmatched polyurethane core. The CFR roof panel provides an unsurpassed weathertight seal and service life. Ideal for commercial, industrial and institutional markets, the panel can be used on roof slopes as low as ½": 12".

PANEL SPECIFICATIONS

Width: 30"[~], 36", 42"

Thickness: 2", 2½", 3", 4", 5", 6"

Length: NON-DIRECTIONAL EMBOSSED
9'-6" to 53'-0", contact Metl-Span for custom availability.

Exterior Profile: 2" high standing seam with a Mesa profile between the seams, embossed

Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel in 24 and 22 Ga.; or AZ-55 aluminum-zinc coated steel with a clear acrylic coating in 24 Ga.

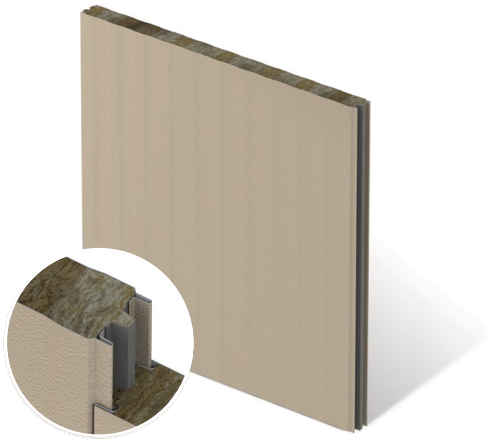
Interior Profile: Mesa, nominal ¼" deep, embossed or unembossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated or stainless steel in 26, 24 and 22[^] Ga.

Joint: Concealed clip mechanically seamed singlelock standing seam at the exterior side joint. The interior side joint is a single tongue-and-groove interlock.

Uplift Performance: UL 90 rated, FM Approvals Standard 4471, and Florida Building Code approved. Dade County NOA.

[~]Available only from Texas plant | [^]Interior panels only | 22[^] Ga. not available for stainless steel



FIRE RESISTANCE

THERMALSAFE® & THERMALSAFE NON-EXPOSED FASTENER (NEF)

The ThermalSafe® insulated metal panel combines advanced design with Metl-Span's sophisticated manufacturing expertise to create a composite panel with a core made from non-combustible structural mineral wool boards processed to maximize compressive strength. This fire-rated panel has superior structural characteristics and span capability. Achieves a one-, two- or three-hour fire resistance rating for walls and 1.5 hours for ceilings.

PANEL SPECIFICATIONS

Width: 42"

Thickness: Nominal 3"^t, 4", 5", 6", 7", 8"

Length: NON-DIRECTIONAL EMBOSSED

8'-0" to 40'-0"

variable by thickness; contact Metl-Span for exact maximum length for each thickness

Exterior Profile: Ultra-Light Mesa, Santa Fe or Striated, nominal 1/2" deep, embossed

Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated or stainless steel in 26 and 24^o Ga.

Interior Profile: Ultra-Light Mesa, nominal 1/2" deep, embossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

Weight, 26 Ga. Face:

Thickness	3"	4"	5"	6"	7"	8"
PSF	3.94	4.65	5.49	6.21	6.92	7.63

Joint: Exclusive LockGuard® side joint has a flush, double tongue-and-groove connection of the metal faces with an advanced integral spline to join the mineral wool core

Core: Non-combustible, rigid mineral wool lamellas. Mineral wool fibers are oriented perpendicular to the panel faces for maximum structural strength.

Thermal Values: K-Factor** @ 75° F (24° C) is 0.275

R-Value: The core insulating properties are 3.61 "R" per inch

Fastening: Available with either through-fastening across the width of the panel to the support framing or non-exposed fastening (NEF) by securing through the back of the panel for a flush visual appearance. Consult fire-resistant listings for fastener types and spacing. Fastening patterns may vary depending on specific windload and fire-resistant requirements.

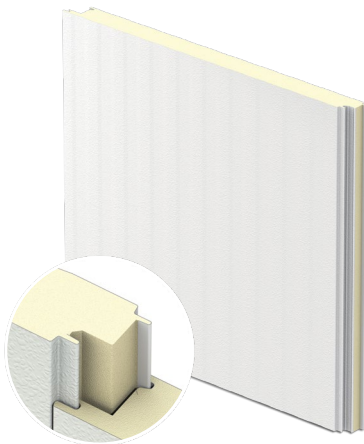
^tNo hourly rating available | **K-Factor calculations: Btu in/ft²hr. °F | ^oUltra-Light Mesa and Striated only | 22[^] Ga. not available for stainless steel



PROJECT: SWISS AMERICAN
PANEL TYPE: CF ARCHITECTURAL, CFR ROOF,
FLUTE
LOCATION: ST. LOUIS, MISSOURI



PROJECT: SIRNA & SONS PRODUCE
PANEL TYPE: FLUTE, LIGHT MESA, MESA
LOCATION: RAVENNA, OHIO



INTERIOR PARTITION

CF PARTITION

The CF Partition insulated metal panel is designed to be the most economical choice for interior partition applications. The lightly corrugated profile provides added strength on both faces and ensures symmetry from the exterior to the interior of the building, and between rooms.

PANEL SPECIFICATIONS

Width: 44.4"

Thickness: 2", 2½", 2¾", 3", 4", 5", 6"

Length: NON-DIRECTIONAL EMBOSSED

8'-0" to 52'-0" Vertical

UNEMBOSSED

8'-0" to 40'-0" Vertical

Exterior Profile: Mesa, nominal ⅛" deep, embossed or Light Mesa, nominal ⅙" deep, embossed or unembossed

Exterior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or stainless steel in 26, 24 and 22 Ga.

Interior Profile: Mesa, nominal ⅛" deep, embossed or Light Mesa, nominal ⅙" deep, embossed or unembossed

Interior Face: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

Joint: Offset double tongue-and-groove

Core: Foamed-in-place, zero ozone depleting (zero ODP) polyurethane, FM Class 1 approval

Fastening: Through fastened at the top and bottom of the panel

Thermal Values: K-factor, Btu in/ft² hr. °F @ 75° F (24° C) mean core temperature = 0.140. K-factor, Btu in/ft² hr. °F @ 40° F (4° C) mean core temperature = 0.126.

FRP CLEANSEAM™

The Metl-Span FRP CleanSeam insulated metal panel enables wall panels to join almost seamlessly, preventing any bacterial growth. The fiberglass-reinforced plastic provides the panel with durable, flush-surface hard seam and solid panel structure. FRP CleanSeam panels are ideal for food processing, commissaries and clean rooms.

PANEL SPECIFICATIONS

Width: 42", 44.4"

Thickness: 2", 3", 4", 5", 6"

Length: 8'-0" to 20'-0"

FRP Face Profile: No profile, 0.075" thick, Class A, unembossed FRP, USDA Compliant

Non FRP Face Profile: Mesa, nominal ⅛" deep, embossed or Light Mesa, nominal ⅙" deep, embossed

Substrate: G-90 galvanized or AZ-50 aluminum-zinc coated steel or 304 or 316 stainless steel in 26, 24 and 22[^] Ga.

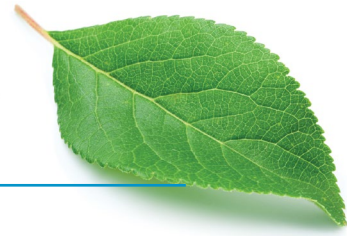
Finish Option: Non-FRP faces available with USDA Compliant polyester coating, igloo white color.

CleanSeam Sealant: Two-part compound which seals the panel surfaces for a smooth, durable finish—virtually impervious seal to prevent water penetration

Core: Foamed-in-place, zero ozone depleting (zero ODP) Class 1 foam

*Available only from Nevada plant | 22[^] Ga. not available for stainless steel | *Interior panels only

TESTING & CERTIFICATIONS



FM APPROVAL

Metl-Span products carry a standard FM Approval Class 1 certification. The FM Approval certification mark verifies products and services will meet stated conditions of performance, safety and quality useful to the ends of property conservation.

Approval criteria for Class 1 are observation of test sample production, performance requirements, marking requirements, examination of manufacturing facilities, audit of quality assurance procedures and a follow-up program.

This FM Approval Class 1 rating ensures you get a quality product that consistently performs to the standards specified.

THIRD-PARTY CERTIFICATIONS & LISTINGS FOR CF FOAM PANELS

The panels are certified and listed by third-party agencies and tested in accordance with ASTM E84, ASTM E108, CAN/ULC S101, S102, S107, S126, S134, S138, NFPA 259, NFPA 285 and NFPA 286.

FIRE-RESISTANCE TESTS (THERMALSAFE ONLY)

FM Approval Standard 4880 internal wall and ceiling panels, ASTM E119, CAN/ULC S101, UL 263

The ThermalSafe product offers one-, two- and three-hour fire resistance for non-load-bearing walls and a 90-minute fire-resistance rating for a non-load-bearing ceiling.

- 4" thickness offers one-hour fire resistance wall listing at UL and Intertek
- 6" thickness offers two-hour fire resistance wall listing and a 90-minute ceiling listing at Intertek
- 7" thickness offers two-hour fire resistance wall listing at UL
- 8" thickness offers three-hour fire resistance wall listing at UL and Intertek

MIAMI DADE COUNTY NOAS

CF wall panels installed vertically or horizontally and CFR roof panels are approved to be installed in the county subject to the conditions of the published notices of acceptance.

STATE OF FLORIDA

Metl-Span CF Series and ThermalSafe panels all have State of Florida product approval.

CITY OF LOS ANGELES RESEARCH REPORT

ICC Evaluation Service Report ESR - 2218, applicable to CF Flute, CF Mesa, and CF Partition Panels

ENVIRONMENTALLY CONNECTED

Given today's emphasis on performance-driven building design and construction, Metl-Span's products offer the best solution to help optimize building efficiency for architects, contractors and owners.

Metl-Span, as part of the Cornerstone Building Brands family, leads the industry in the development of energy-efficient and cost-effective insulated metal panel systems, through UL-certified and ISO-compliant products. Our company has been dedicated to a cleaner, safer environment since our origination in 1968. As evidence of our leadership in this role, we offer an Environmental Product Declaration (EPD), which provides a detailed analysis of our products' environmental manufacturing footprint, based on an ISO-compliant Life Cycle Assessment (LCA).

Metl-Span's LCA measures the impact of our products on the environment during all phases of their life, from supply chain through the manufacturing process to product use and end of life. ISO LCA standards are applied to accurately report the products' impact on the environment.

See metlspan.com for published EPD and LCA.

DESIGN OPTIONS

INTERIOR COATINGS & SURFACES

To ensure a lasting, quality appearance, the interior face is treated with USDA-compliant Igloo White. For more aggressive environments, a USDA-compliant PVC Plastisol is offered. No warranty is offered for painted interior surfaces of the panel. For food processing areas, a USDA-compliant stainless steel panel is available as well.

EXTERIOR COATINGS & SURFACES

To ensure a lasting, quality appearance, the exterior face is coated with a siliconized polyester paint finish in three standard colors. A premium PVDF fluoropolymer finish is available for projects where there are aesthetic considerations for the building exterior. All exterior finishes come with a superior minimum 20-year warranty for coating adhesion, chalking and fade resistance.

TRIM

Flashing and trim are available in brake formed sheet metal in the same thickness and finish to match the panels.

IN-HOUSE PRE/POST SALES SERVICES OFFERED

- Drafting/Technical Services
- Certified Installer Training
- On-Site Field Training
- Weathertight Warranties

COLORS

Insulated metal panels come in a variety of standard colors to meet solar reflective requirements. For a complete list of our standard colors, please review our color chart. We also do custom colors and color matching. For more information regarding specific colors, please contact a local representative.

*Color selection is limited for all cold storage refrigerated applications due to temperature differentials and should be carefully reviewed with Metl-Span on a job-to-job basis.

FINISHES

To ensure a lasting, quality appearance, the exterior face sheet of all Metl-Span insulated metal wall, CFR and ThermalSafe® mineral wool panels are treated with a base primer, followed by a premium, full-strength 70% PVDF fluoropolymer coating. A siliconized polyester coating is available in a limited palette of standard colors for projects where economy is the primary consideration. For specific information about our available colors and coatings, visit metlspan.com.

WARRANTY

Metl-Span insulated metal wall, CFR and ThermalSafe® panels are guaranteed to be free from defects in material and workmanship for a period of two years from the date of substantial completion. Ensuring watertightness and/or vaportightness is a function of the installer and is not covered by the warranty from Metl-Span. Complete standard limited warranty information is available upon request.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, Metl-Span reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. For more information, see color chart or visit metlspan.com.



Metl-Span: All-In-One Performance
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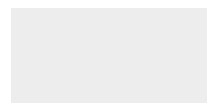
COLORS & COATINGS

Cold Storage Market
Insulated Metal Panels

All Metl-Span colors are formulated to provide premium energy efficiency solar reflectivity.

STANDARD I EXTERIOR COLORS

Full-Strength 70% PVDF
Fluoropolymer Coating



POLAR WHITE**
E: 0.86 SRI: 85



SANDSTONE**
E: 0.86 SRI: 71

STANDARD II EXTERIOR COLORS

Full-Strength 70% PVDF
Fluoropolymer Coating



ALMOND**
E: 0.86 SRI: 75



BROWNSTONE*
E: 0.86 SRI: 53



REGAL GRAY**
E: 0.86 SRI: 64

PREMIUM I EXTERIOR COLORS

Full-Strength 70% PVDF Fluoropolymer Coating



TUNDRA*
E: 0.86 SRI: 52



SPRUCE*
E: 0.86 SRI: 38



AEGEAN BLUE*
E: 0.87 SRI: 29

STANDARD WEATHERXL® EXTERIOR COLORS

Siliconized Polyester



WINTER WHITE**
E: 0.86 SRI: 27



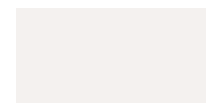
LIGHT STONE**
E: 0.86 SRI: 25



ASH GRAY*
E: 0.86 SRI: 26

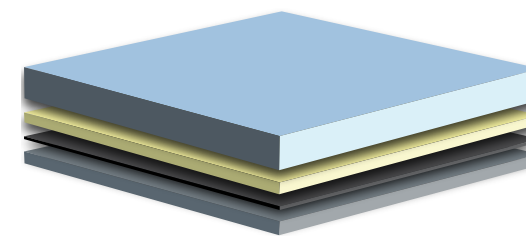
POLYESTER EXTERIOR COLOR

Igloo White is the standard interior color for all panels



IGLOO WHITE*
E: 0.86 SRI: 75

COLOR SYSTEMS



Fluropon®, WeatherXL® and Polyester Systems:

1. 0.75 mil nominal Top Color Coat
2. 0.25 mil nominal Primer
3. Metal Substrate

For color suitability, testing codes data and pricing, contact your local representative or visit metlspan.com for more information.

Pricing varies depending on colors, quantity and gauge. All colors shown are approximate to actual finish colors.

Colors shown are for preliminary selection only. **Printed colors can vary from actual painted material, request a metal color chip prior to a final color selection.** Color warranties vary based upon color. Contact Metl-Span for full warranty information.

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Metl-Span has 61 listings with (CRRC) Cool Roof Rating Council. Visit coolroofs.org to view color listings.

***US Department of Agriculture (USDA) Compliant**



★ENERGY STAR® Qualified



**ALL WEATHER
INSULATED PANELS**

INNOVATIVE

ADAPTABLE

ENERGY EFFICIENT

PRODUCT SHOWCASE
Commercial/Industrial/Cold Storage

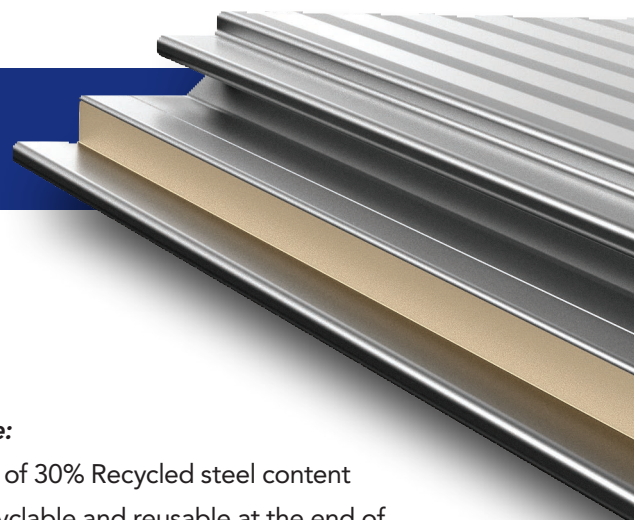
INTRODUCTION

From sub-zero temperatures to dry heat or high humidity, Mother Nature continually tests the limits of building envelopes. Products from All Weather Insulated Panels are specifically engineered to secure the interior's climate regardless of exterior weather conditions.

As an innovator in design, construction and advancement of insulated metal panels, All Weather Insulated Panels has two state-of-the-art, continuous-line manufacturing facilities capable of producing 30 million square feet of panels per year.

Discover our broad range of insulated metal wall and roof profiles, finishes, colors, dimensions, trims, concealed fastening systems, plus other options, that will help you unleash your full design capabilities.

Today's building projects require the perfect combination of energy efficiency, creative versatility and reduced construction cost. All Weather Insulated Panels is strategically positioned to meet the growing energy, environmental and economic challenges facing the North American building industry.



ADVANTAGES

More Energy Efficient:

- Superior thermal insulation capabilities compared to other insulating materials with an R-value of 8 per inch
- Closed cell Class I fire resistant polyisocyanurate insulation and self-aligning, double interlocking tongue and groove joints with concealed fasteners create an air-and water-tight seal to stabilize interior environments

Single Component:

- Factory-injected insulation is continuously foamed in-place and integrated with dual metal facing panels to create a single high strength composite

Measurable Savings:

- Fast one-pass, single component installation eliminates the inefficiencies of multi-piece field assembled wall and roof systems saving in installation time and labor costs
- Insulated metal panels have high strength-to-weight ratio that allow for longer spans and reduce structural costs

Versatile:

- Hidden fastener systems with a variety of profiles, colors, finishes, accessories and trims integrate into any building design
- Can be used in either vertical or horizontal applications
- Design vision is not compromised when doors, windows or other construction materials are incorporated into the panel assembly

Sustainable:

- Minimum of 30% Recycled steel content
- 100% recyclable and reusable at the end of its service life
- Contributes to LEED® credits and Net-Zero Energy targets

Durable & Economical:

- Long service life with extremely high insulation R-values maintained for the life of the building
- Reduces operation costs and maintenance

Tested & Approved:

- Tested for compliance with North American industry standards and codes
- Factory Mutual approved

Design Services:

- Engineered shop/installation drawings
- Complete cladding packages including accessories and trims
- Daylighting systems

FM Approved Class I
fire resistant

CONTENTS

WALL PRODUCTS

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**ALL WEATHER
INSULATED PANELS**

DM40 MESA

WALL PRODUCTS COLD STORAGE & INDUSTRIAL



Our Mesa profile panel is the perfect economical choice for exterior / interior wall and ceiling applications on industrial and cold storage buildings.

The Mesa profiled facings makes it particularly suited for thicker, long-length walls.

The standard Imperial White interior finish is well-suited for most applications.

Stainless steel and white plastisol are also available for interior use.

FEATURES & BENEFITS

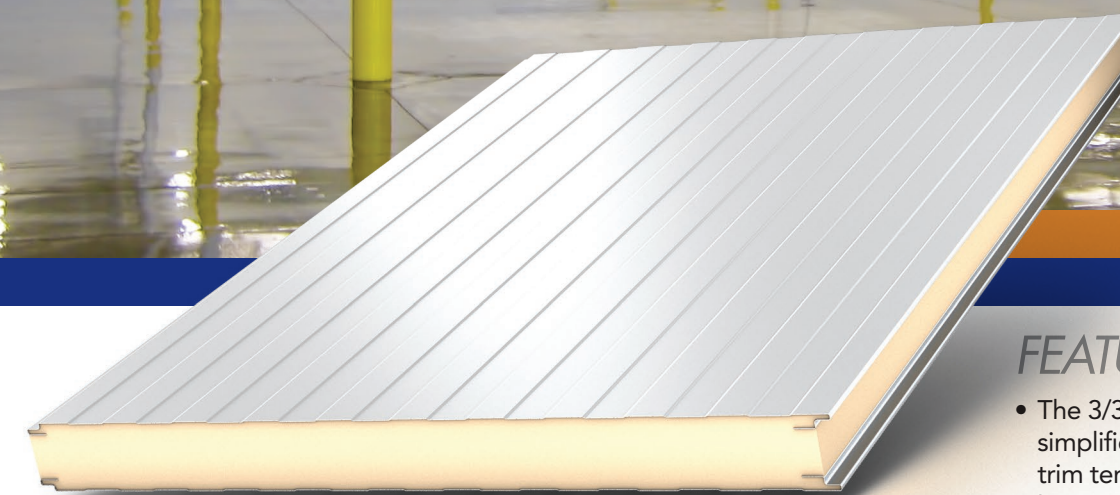
- Low-profile linear surfaces simplify flashing connections to help prevent vapor transmissions at critical areas of the building envelope
- The standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)

Standard thickness: 2", 2.5", 3", 4", 5", 6" Standard width: 40"

DM45 MESA



WALL PRODUCTS COLD STORAGE & INDUSTRIAL



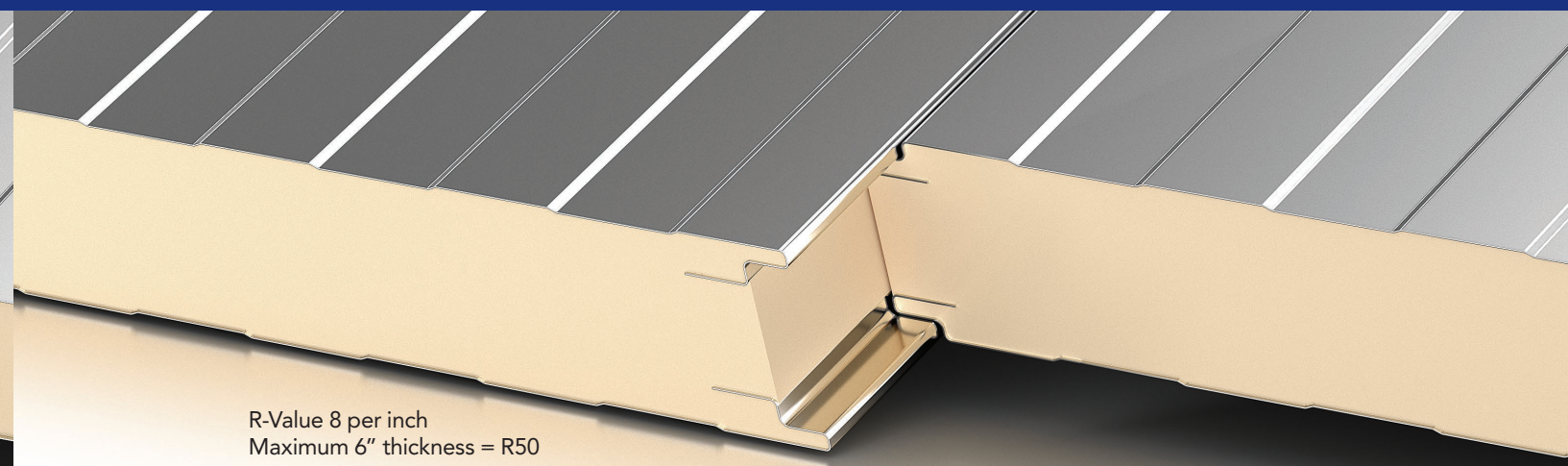
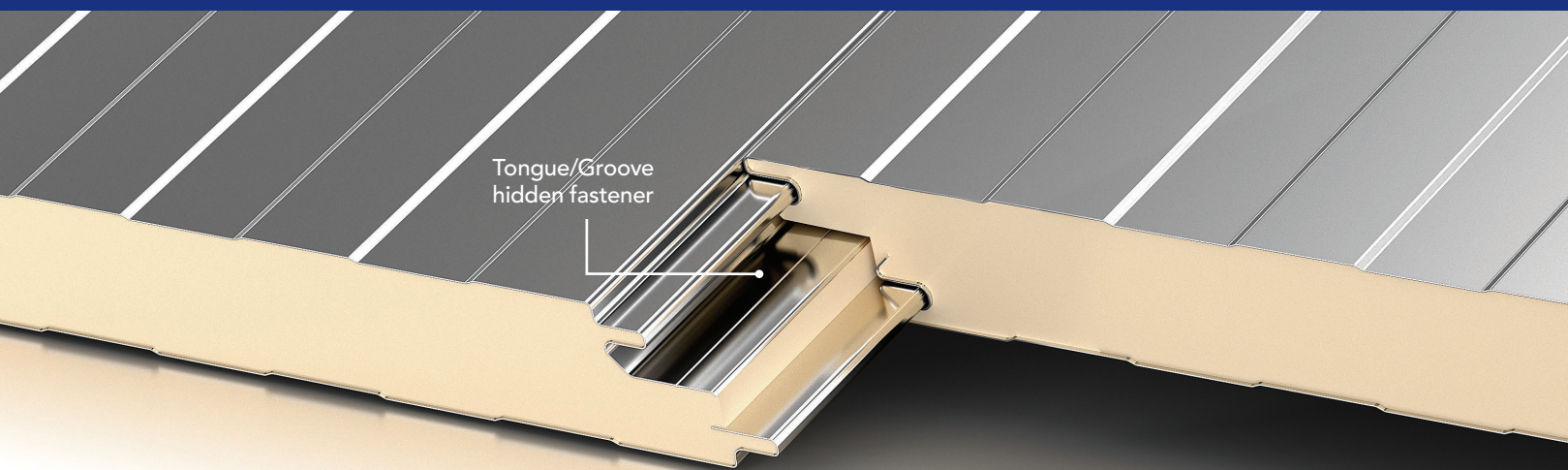
FEATURES & BENEFITS

- The 3/32" low profile exposed surface simplifies face sealing of joints and trim terminations when required for heavy processing environments
- The 45" net width reduces both the number of longitudinal joints as well as the number of panels to install
- Highly durable exposed steel facing(s) with an embossed, high-heat, coil-coated finish are perfect for most interior applications

DM45 is our widest mesa panel. It features monolithic tongue-and-groove joinery for fast, easy installation, and is specifically designed for interior wall and ceiling applications.

The panel's structural integrity allows for exceptional spans between supports.

Standard thickness: 3", 4", 5", 6" Standard width: 45"



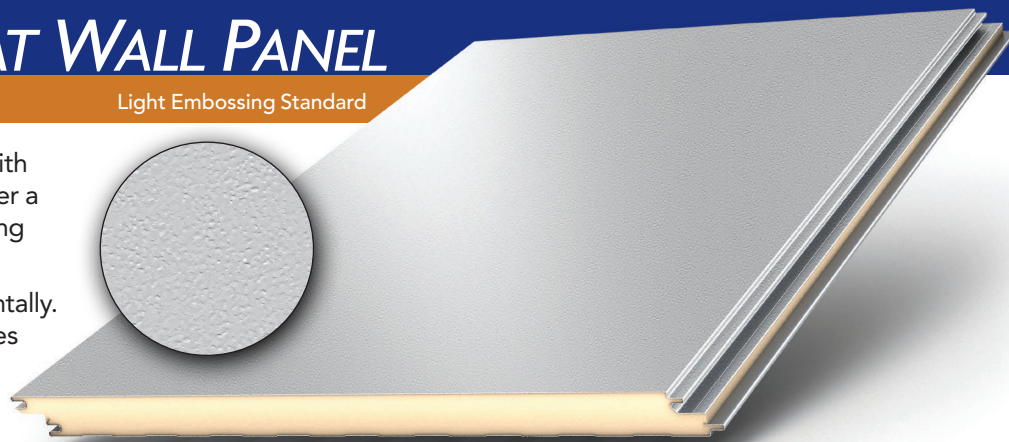
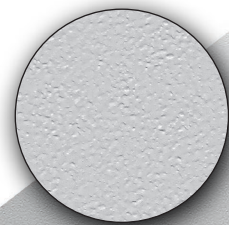
FL40/36 FLAT WALL PANEL

Light Embossing Standard

Our flat wall panels are produced with standard embossed facings and offer a perfect solution for designers seeking a high-end architectural look.

Can be installed vertically or horizontally. The horizontal assembly incorporates a clean, simple end-joint design that utilizes a unique self-aligning aluminum extrusion.

Standard thickness: 2", 2.5", 3"
Standard width: 36" or 40"



FEATURES & BENEFITS

- The panel's overlapping joint is self-aligning and allows for easy sealant application
- Exterior is 22ga embossed G-90 galvanized steel with standard PVDF and SMP coatings
- Arrives on site in one-piece and requires a simple one-step installation reducing construction time and costs

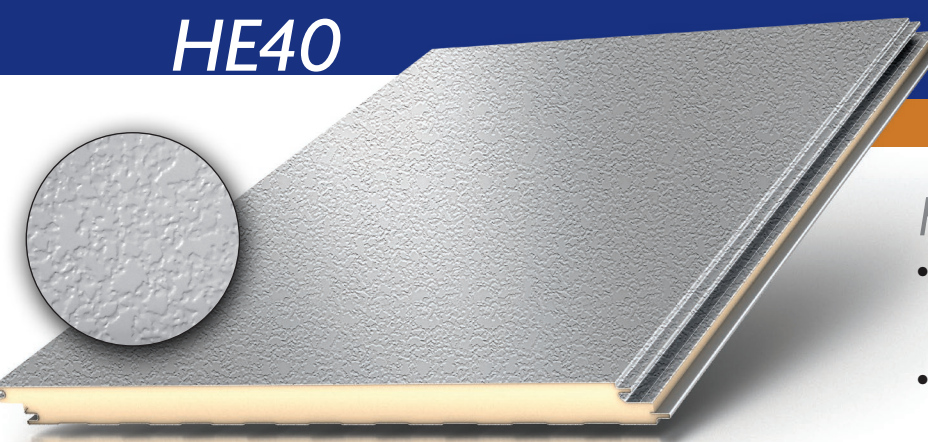
HE40

HEAVY EMBOSSED

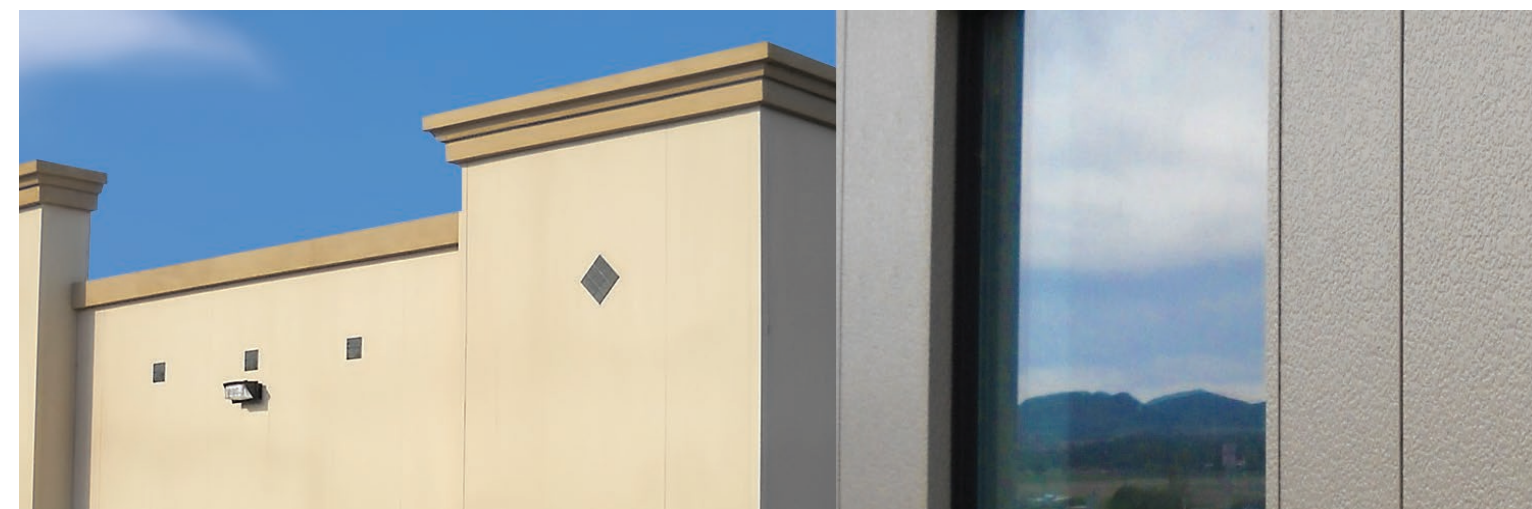
FEATURES & BENEFITS

- May be installed with a pre-painted finish or field-sprayed with elastomeric coating (not by AWIP)
- The overlapping joint is self-aligning & allows for easy sealant application
- Exterior is 26ga G-90 galvanized steel with standard PVDF and SMP coatings

Standard thickness: 2", 2.5", 3", 4"
Standard width: 40"



The distinctive pattern of our HE40 profile makes this panel ideal for exterior walls on industrial or commercial facilities where design character is desired. The heavy-embossing adds rigidity & maintains a patterned flat appearance.



ST40 STRIATED

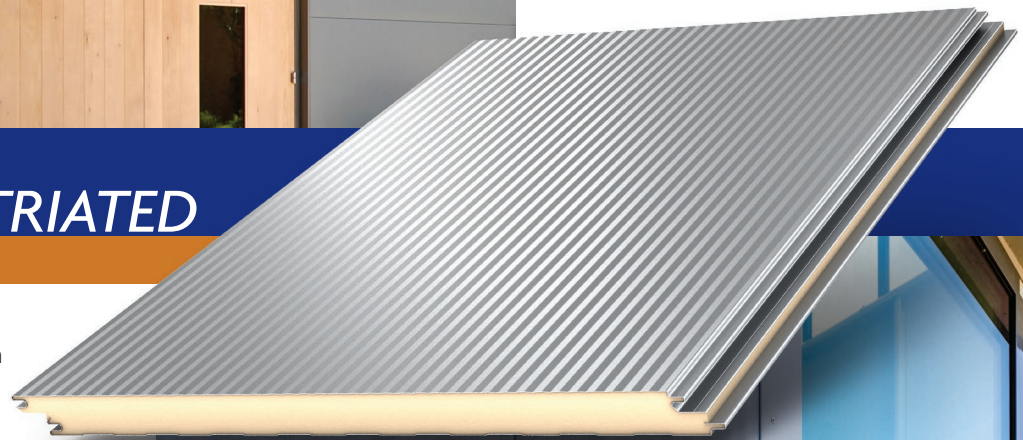
Our Striated wall panel offers an extremely economical exterior solution where a flat, clean appearance is desired.

The nominal embossed striations add rigidity and ensure an acceptable flatness tolerance.

FEATURES & BENEFITS

- The panel's overlapping joint is self-aligning and allows for easy sealant application
- Standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White

Standard thickness: 2", 2.5", 3", 4"
Standard width: 36" or 40"



HE40-A ADOBE TEXTURE™

FEATURES & BENEFITS

- Proprietary breakthrough technology integrates a stucco look and texture into insulated wall panels
- Eliminates the need for sprayed elastomeric coating applications or multi-step field-applied or additional factory-applied stucco coating
- Matching AdobeTexture™ trim & finishing system for continuous look and feel
- The standard interior metal surface is 26ga Imperial White
- Same easy, economical installation as standard IMP wall panels
- 25 yr limited paint warranty against chalking, fading and loss of adhesion

Standard thickness: 2", 2.5", 3", 4"
Standard width: 40"

AdobeTexture™ insulated metal wall panels offer a matte finish multi-textured profile that simulates a troweled stucco-like appearance without the need for additional factory or field-applied stucco coatings.

Our unique patented process offers an economical alternative that delivers superior adhesion and color retention when compared to other coating systems.

Typical trim matching and finishing issues common with sprayed elastomeric applications are also avoided due to our matching AdobeTexture™ Trim and Finishing System.



WOOD GRAIN FINISH

FEATURES & BENEFITS

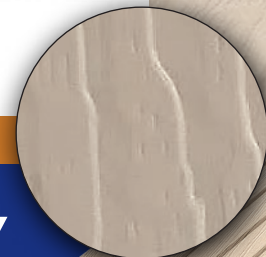
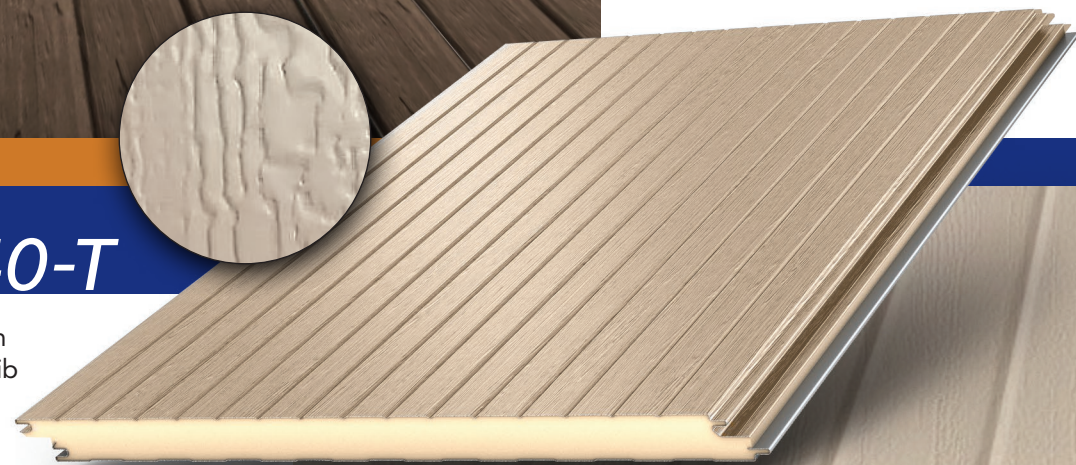
- The profile and finish provides for a bold non-metallic wood grain look
- 25-year limited paint warranty against chalking, fading and loss of adhesion
- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery
- The standard exterior metal surface is 26ga G-90 galvanized steel with durable ceramic polyester coatings
- The standard interior metal surface is 26ga Imperial White
- The panel arrives on site in one piece and requires a simple one step installation reducing construction time and costs



MV40-T

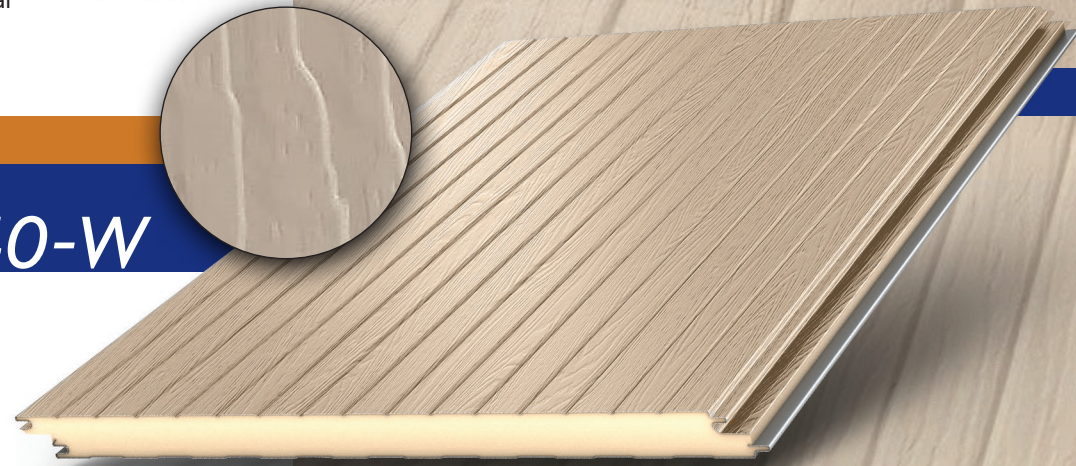
The low gloss scarfed wood grain pattern coupled with our micro-rib profile creates a traditional T1-11 style plywood appearance.

This "retro" wall panel comes in four standard colors and includes a long life factory finished paint system along with the exceptional performance characteristics of a composite insulated panel.



MV40-W

The bold low gloss wood grain pattern coupled with our micro-rib profile creates a scored plywood appearance.

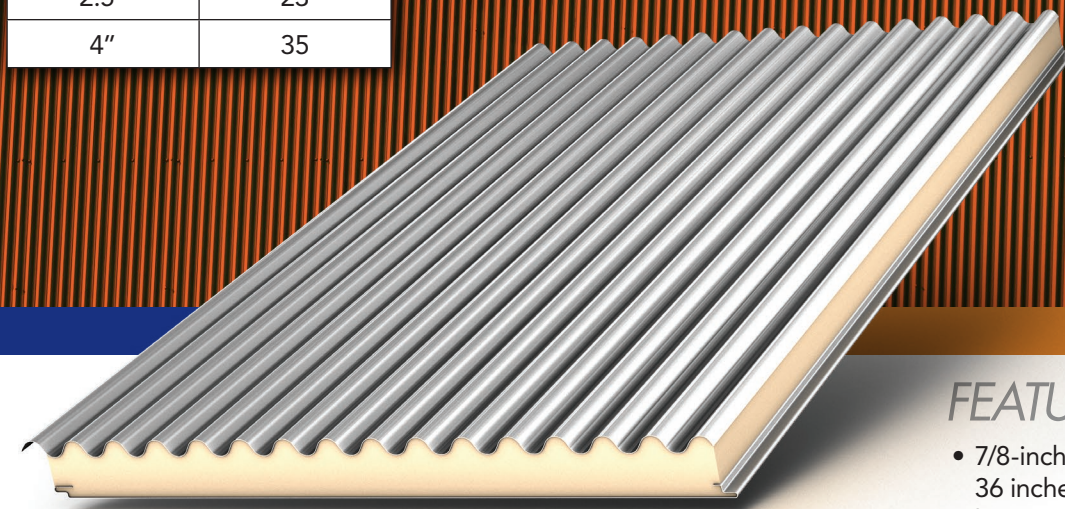


MV40-T / MV40-W Standard thickness: 2", 2.5", 3", 4"
MV40-T / MV40-W Standard width: 40"

CW36 CORRUGATED

For roof and wall applications.

Thickness	R-Value
2.5"	23
4"	35



Our new corrugated panel provides distinct texturing and style for a unique "retro" look in both roof and wall applications.

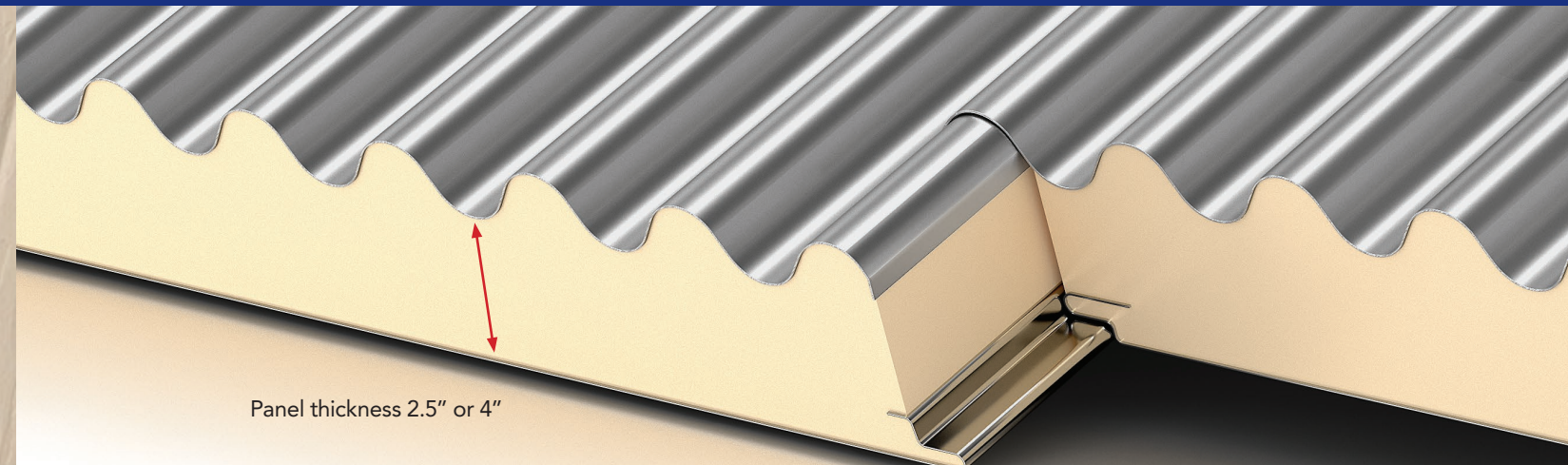
Whether installed vertically or horizontally, it is perfect for retail, wineries and "mixed-use" projects.

Contact your AWIP representative for minimum roof slope.

Standard width: 36"

FEATURES & BENEFITS

- 7/8-inch thick corrugated panel is 36 inches wide and can be installed horizontally or vertically
- Overlapping joint is self-aligning to allow for easy sealant application
- Standard exterior is embossed 26ga G-90 galvanized steel with fully warranted PVDF and clear polyester SMP coatings
- The panel arrives in one piece and requires one-step installation



Panel thickness 2.5" or 4"

HW40 HARD WALL

HW40 Hard Wall Panel is ideal for interior high traffic areas such as loading docks or keg storage rooms. The OSB is inserted behind the exposed steel facing to provide substantial strength to resist damage from impact.

It is also ideally suited for hanging electrical boxes and piping. Consult your local AWIP rep for specific attachment requirements.

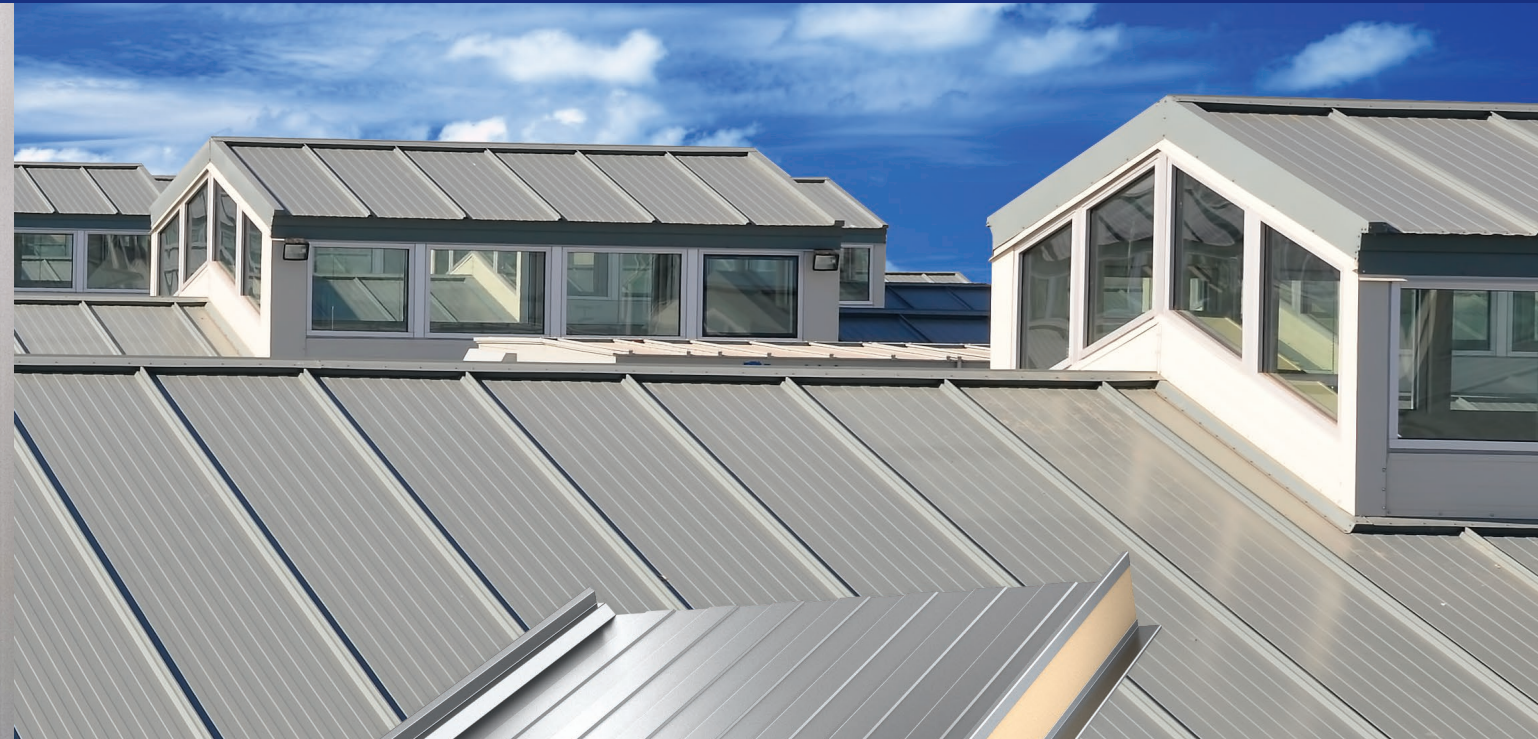
FEATURES & BENEFITS

- Self-aligning and weather tight double tongue and groove joint allows for sealant application at either the interior or exterior side of the panel joinery depending on the direction of vapor drive
- The standard exterior metal surface is embossed 26ga G-90 galvanized steel available in standard PVDF & SMP coatings
- Standard interior metal surface is embossed 26ga Imperial White

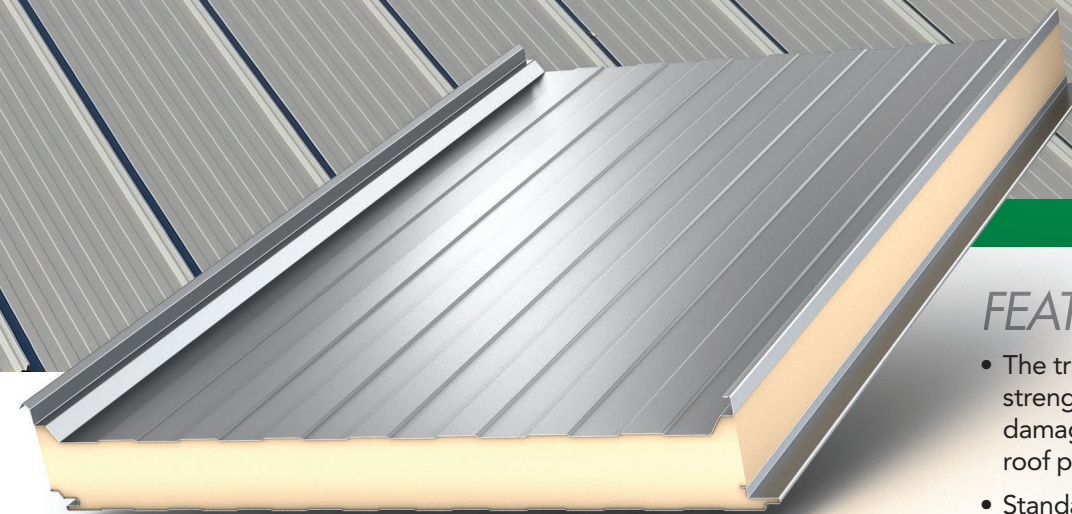
Standard thickness: 4"
Standard width: 40"



SR2 STANDING SEAM



ROOF PANELS & DECKS



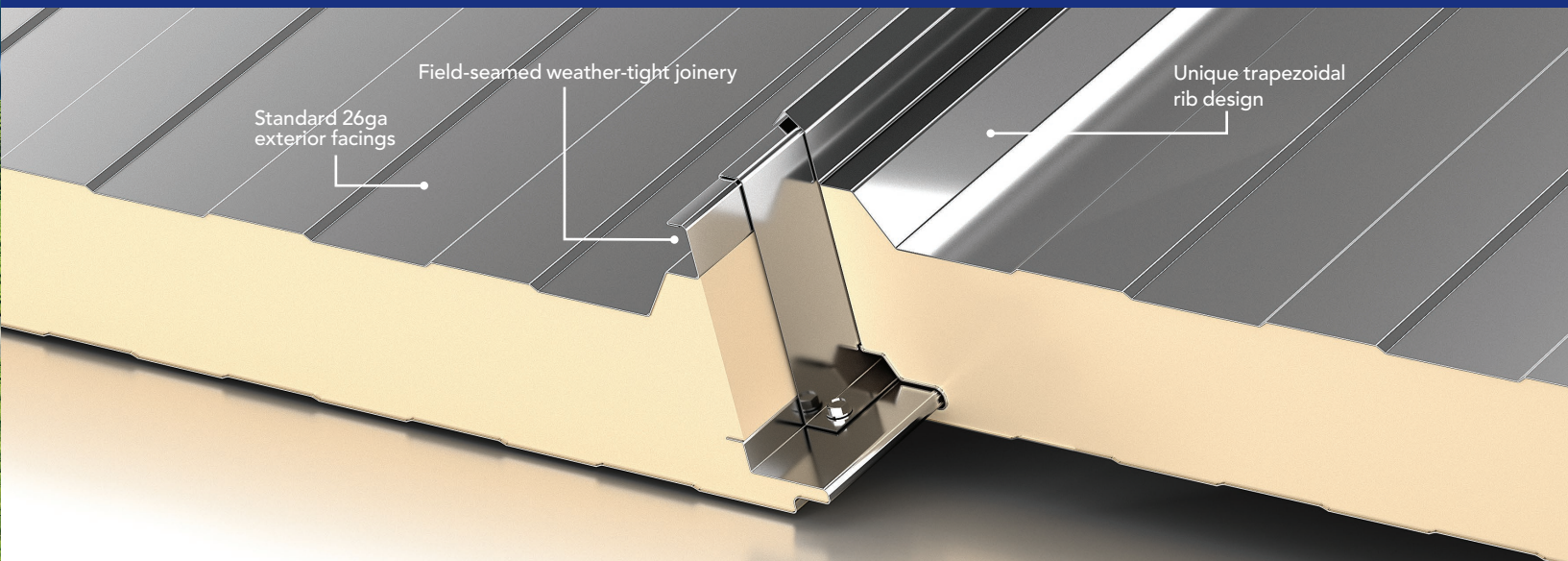
FEATURES & BENEFITS

- The trapezoidal rib design provides added strength against potential foot traffic damage compared to other standing seam roof panels on the market
- Standard exterior metal surface is smooth 26ga G-90 galvanized steel with standard PVDF & SMP exterior coatings
- Standard interior metal surface is embossed 26ga Imperial White
- Arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

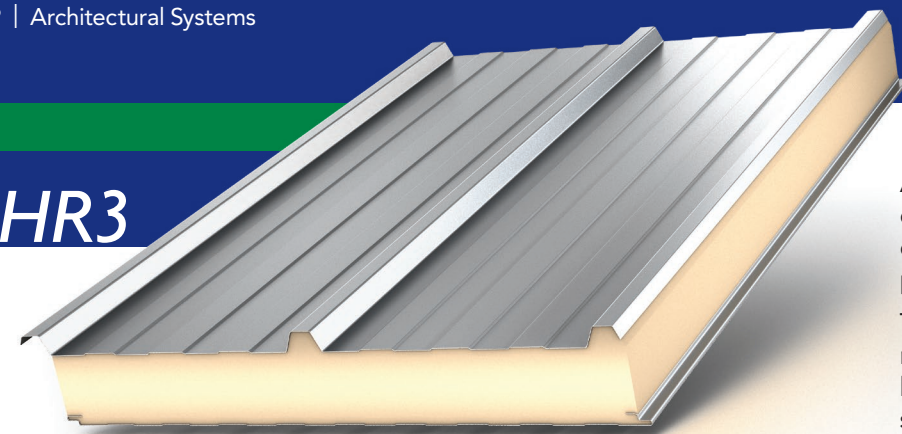
Get the look of a traditional metal standing seam roof with all the benefits of an insulated metal panel.
Our Standing Seam roof profile offers a field seamed, hidden fastener joinery for maximum protection against the elements.

Standard thickness: 3.25", 4", 5", 6" Standard width: 40"

A BETTER WAY TO BUILD.



HR3



HIGH RIB

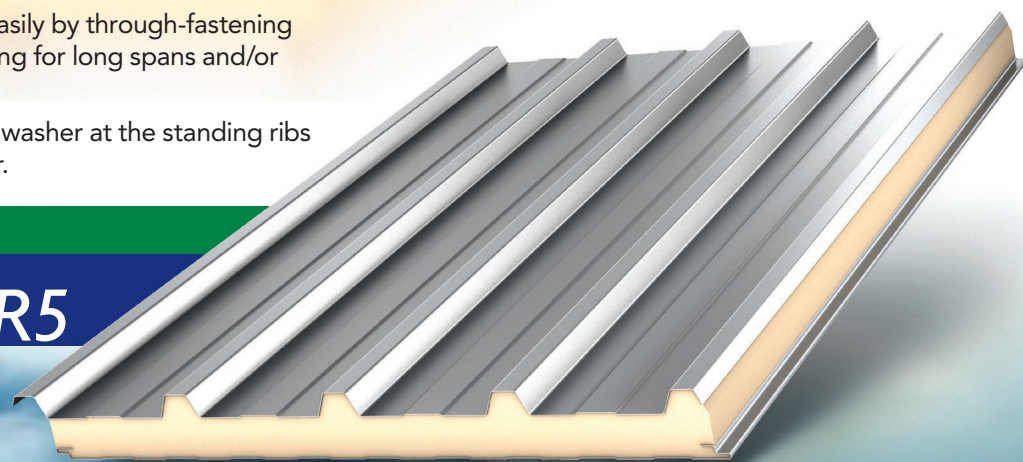
An economic solution compared to other field-assembled applications, our HR3 and HR5 panels reduce potential for interstitial condensation.

This allows our HR series panels to meet energy codes, unlike traditional high rib fiberglass-insulated, screwed-down roofs.

These panels install quickly and easily by through-fastening into the support members, allowing for long spans and/or severe load conditions.

A unique EPDM gasketed saddle washer at the standing ribs keeps fasteners out of shed water.

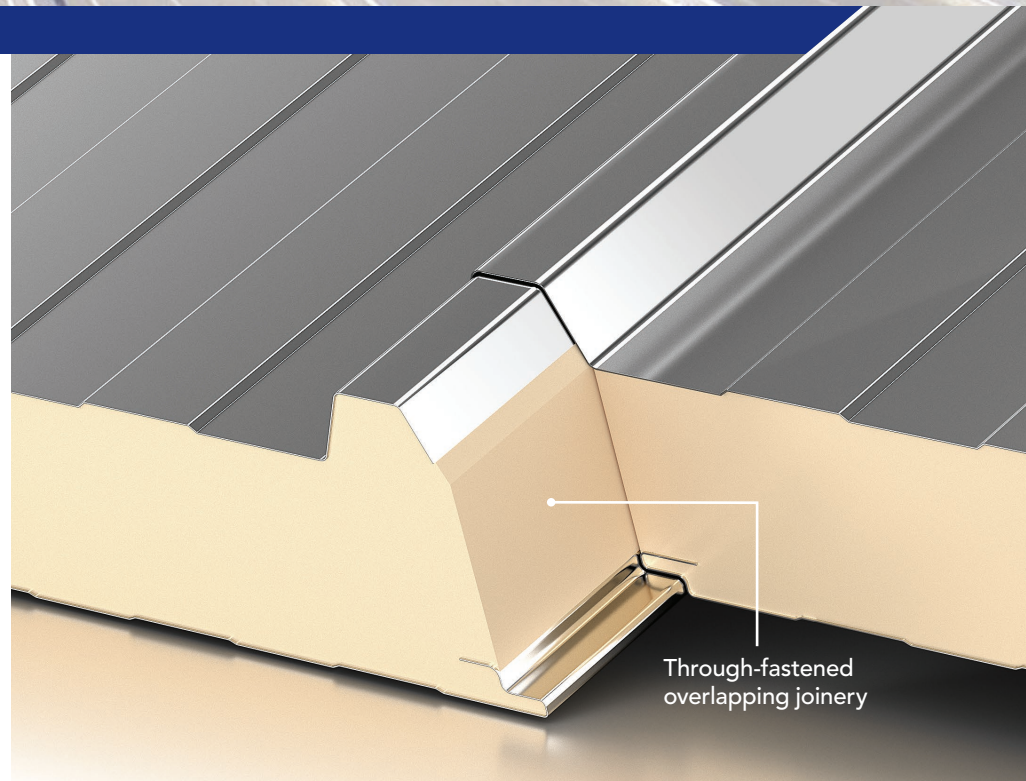
HR5



FEATURES & BENEFITS

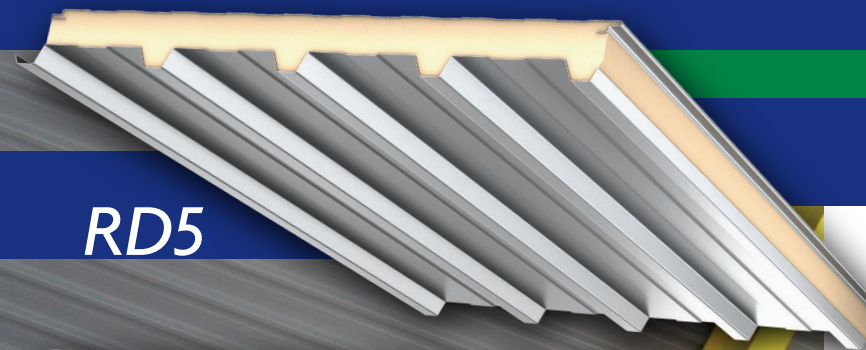
- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery
- The standard exterior metal surface is smooth 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White
- The panels arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

Standard thickness: 1.5", 2.5", 4", 5", 6"
Standard width: 40"

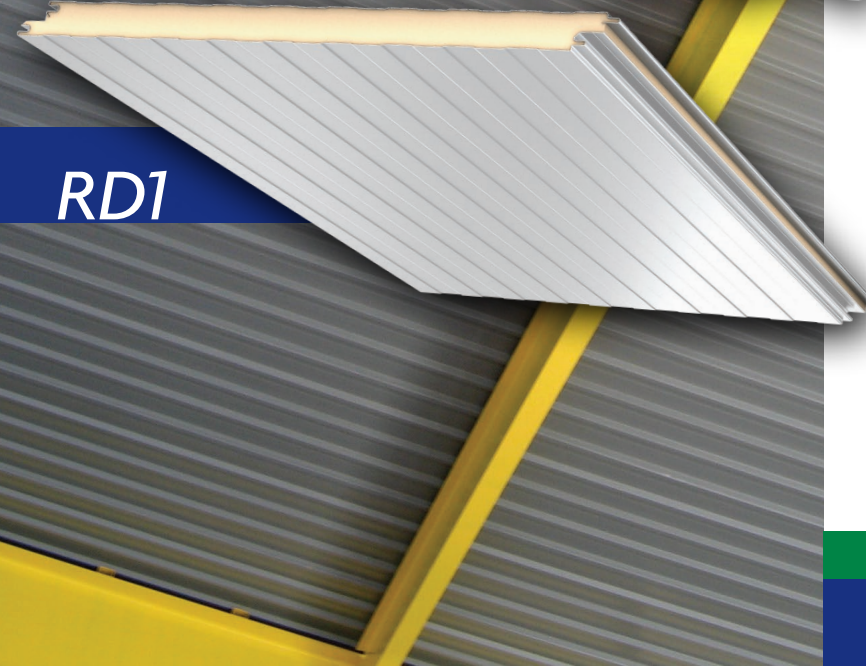


Through-fastened overlapping joinery

RD5



RD1



ONEDEK™

An efficient alternative to expensive field-assembled roof systems, our OneDek™ RD5 & OneDek™ RD1 feature a polyisocyanurate foam core and steel substrate formed at the factory.

This revolutionary alternative for large "low-slope" roof projects eliminates the need for adding rigid board insulation on the job site. OneDek™ panels require only the addition of a white, single-ply membrane for overall thermal security and waterproofing.

When through fastened, OneDek™ RD1 meets similar diaphragm shear resistance properties as 1.5" deep 22ga B deck.

RD5 Standard thickness: 2.5", 4", 5", 6"

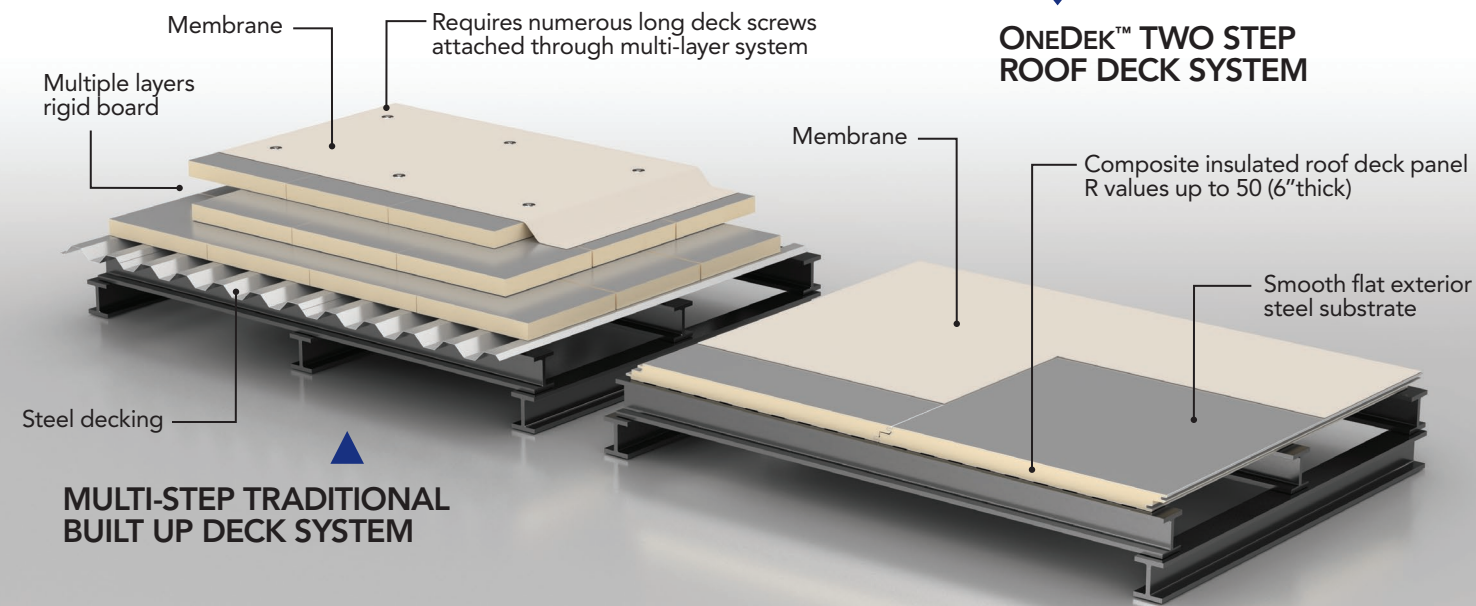
RD1 Standard Thickness: 2", 2.5", 3", 4", 5", 6"

Standard width: 40"

FEATURES & BENEFITS

- Equivalent shear resistance values to traditional roof deck systems
- Composite panel is highly resistant to foot traffic during and after construction
- Easily attached to joists or purlins with less fasteners
- Highly reflective white interior reduces lighting needs
- Eliminates steps and saves time & money
- Comes with industry exclusive 20-year, top-to-bottom system warranty

THE FUTURE OF ROOF DECK CONSTRUCTION



FIRE 1-HOUR RATED PANEL

1-2-3 HOUR MINERAL FIBER PANELS

FIRE-RATED PANELS



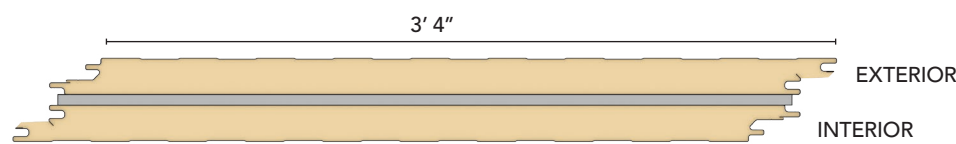
Available in all standard AWIP wall profiles.

Our 1-hour fire rated exterior wall and interior partition panel is factory assembled from a unique combination of tried-and-true cladding components resulting in a building composite that provides superior performance in all categories compared with other fire rated wall assemblies.

fire 1-hour walls are designed to match all standard All Weather Insulated Panels facing profiles and finishes, so you won't have to settle for compromised aesthetics.

FEATURES & BENEFITS

- Factory assembled composite, delivered on-site in one piece for easy one-step installation
- Extremely resistant to deflection, breakage and moisture penetration
- Available in all standard colors and profiles as AWIP standard 40" wide wall products
- Hidden fastening at joints
- Designed for interior partitions or exterior wall applications



Panel Thickness: 4.5"
Insulating Value (R): 32
Hourly Fire Rating: 1 hour
Panel Width: 40"
Panel Length: 8' to 40' maximum
Insulation Material: CFC-free foamed-in-place polyisocyanurate foam 2.1 to 2.5 pcf density
Joint Configuration: Double offset tongue and groove with concealed fastener
Metal facings: 26ga galvanized steel (22ga, 24ga available)
Coatings: PVDF & SMP (other coatings available)
Accessories: Fasteners, concealed fastener clips, sealants, brake formed flashings

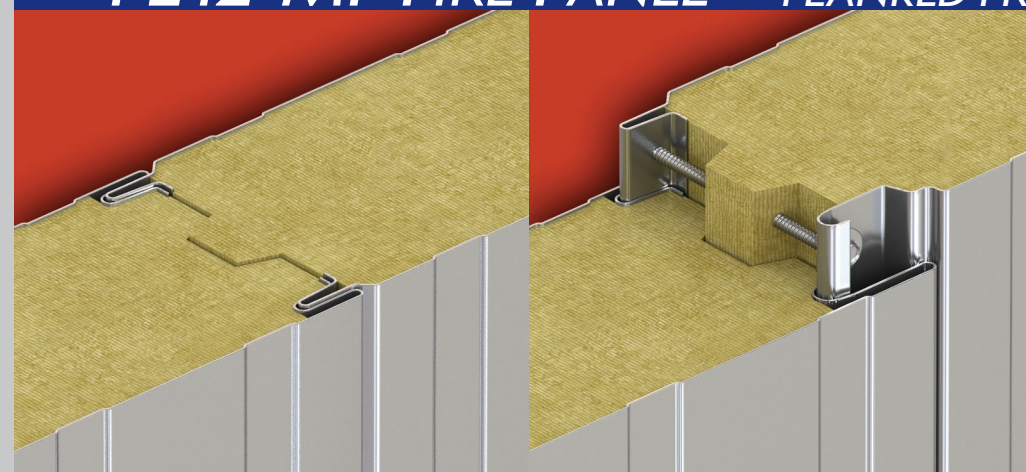
FEATURES & BENEFITS

- Panel Width: 42"
- Panel Length: 6' to 40' maximum
- Insulation Material: Mineral Wool
- Joint Configuration: tongue and groove with concealed fastener, or standard interior joint
- Metal facings: Exterior metal surface comes standard embossed 24ga. (26ga through-fasten only available in planked through-fasten assembly)
- Standard interior surface is 26ga Imperial White
- Stock Colors: Imperial White, Sandstone, Regal White, Surrey Beige
- Coatings: PVDF & SMP (other coatings available)
- Accessories: Fasteners, concealed fastener clips, sealants, brake formed flashings
- Panel arrives on site in one piece for one-step installation

PANEL THICKNESS	R VALUE	FIRE RATING
4"	15	1 HR
6"	22	2 HR
8"	29	3 HR

FIRE-RATED PANELS

PL42-MF FIRE PANEL PLANKED PROFILE

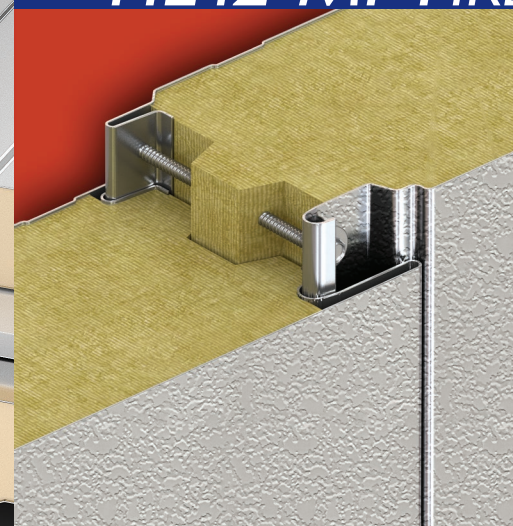


Through-Fastened

Hidden-Fastened

- The low profile linear facings simplify flashing connections designed to inhibit moisture vapor transmission
- The panel joint is self-aligning
- The exterior metal surface is embossed 24ga standard (26ga through-fastened only) galvanized steel with standard PVDF and SMP exterior coatings

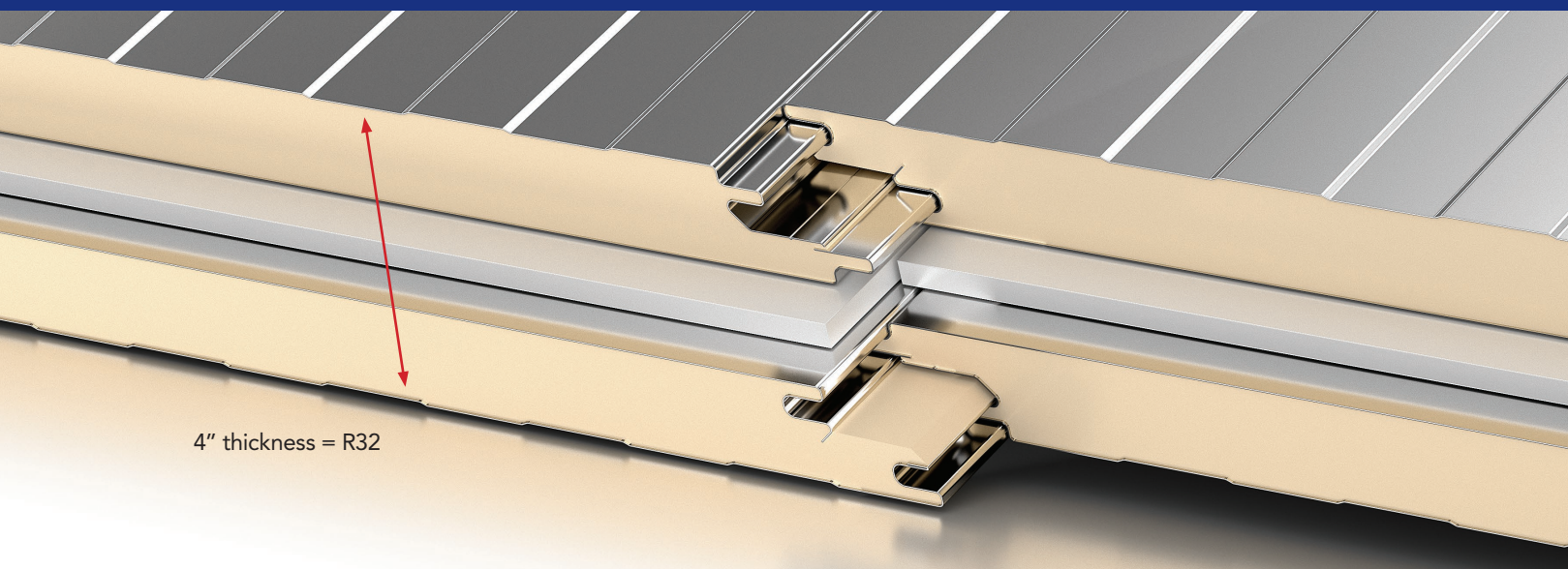
HE42-MF FIRE PANEL HEAVY EMBOSSED PROFILE



Hidden-Fastened

The distinctive pattern of our Heavy Embossed profile makes this fire rated panel ideal for exterior walls on industrial or commercial facilities where a patterned, non-profiled appearance is desired.

- The low profile linear facings simplify flashing connections designed to inhibit moisture vapor transmission
- The panel can be installed with a pre-painted finish or may be field sprayed with a textured or stucco-style elastometric coating
- The standard exterior metal surface is 24ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)



4" thickness = R32

PROJECT GALLERY



COLORS & FINISHES

STANDARD PAINT FINISHES

AW100 .7 mil nominal top coat | .2 mil nominal primer | substrate
Durable Imperial White composite polyester resin is our standard interior coating that resists scratching, is easy to clean and meets most application requirements.

AW500 .7 mil nominal top coat | .2 mil nominal primer | substrate
Workhorse exterior silicone modified polyester resin coating provides superior resistance to chalk and fade, ideal for commercial and industrial applications.

AW750 3.8 top coat | .2 mil nominal primer | substrate
Thick PVC coating perfect for corrosive environments in roof, wall and ceiling projects requiring routine wash down.

AW1000 .7 mil nominal top coat | .2 mil nominal primer | substrate
Fluoropolymer coating (70% Kynar 500 or Hylar 5000 resins) is 2-coat high performance paint for outstanding resistance to ultraviolet radiation. Exotic and high-build finishes available.

PVDF In-Stock Colors

- Sandstone
- Surrey Beige
- Regal White
- Royal Blue
- Natural Green
- Pearl Gray

SMP In-Stock Colors

- Imperial White
- Sandstone
- Surrey Beige

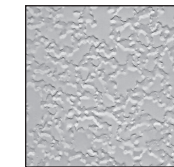
Interior Colors

- Imperial White

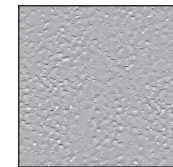
PVDF Non-Stock Colors

- Warm White
- Slate Gray
- Evergreen
- Slate Blue
- Colonial Red
- Weathered Copper

TYPICAL COIL TEXTURES & FINISHES



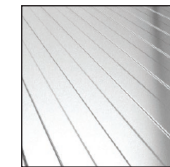
Heavy Embossed



Light Embossed



Non-Embossed Smooth Finish

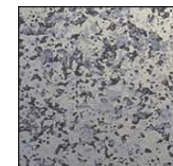


Stainless Steel

SPECIALTY & EXOTIC FINISHES AVAILABLE



Rustic Copper



Weathered Zinc



Natural Rust

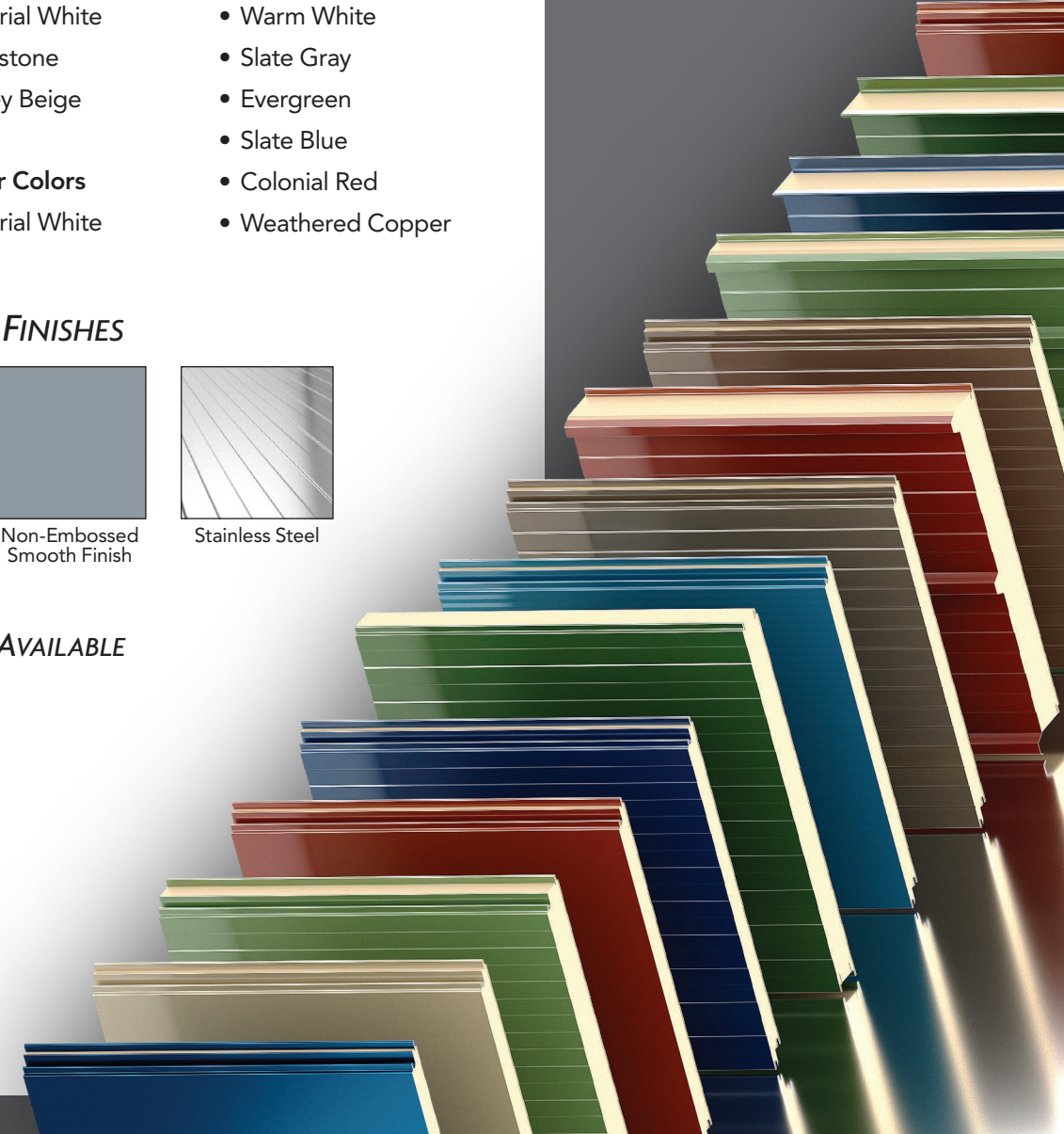


ALL WEATHER INSULATED PANELS

We also offer non-standard specialty finishes to serve in extreme environments. For more information, ask your AWIP Representative or see our Colors & Finish Literature for details.

Note: Depictions of colors here are a close representation. For an accurate depiction, please request chip samples in desired color.

For additional information, please see our Color Chart.



SUSTAINABILITY

AWIP is committed to the future and the environment. Our insulated metal panels are manufactured to deliver superior thermal capabilities designed to minimize the use of energy required in the heating and cooling of buildings. We manufacture using materials that meet or exceed regulatory standards for the reduction of global warming potential and our panels have zero ozone depleting potential. We also use recyclable materials to produce 100% recyclable products and incorporate finishes that are engineered to reduce the carbon footprint and maximize solar reflectance and thermal emissivity.

LEEDS CREDITS

Using AWIP panels can contribute to LEED credits in the following categories:

- LEED SS Credit 7.2 – Heat Island Effect – Roof
- LEED EA Prerequisite 2 – Minimum Energy Performance
- LEED EA Credit 1 – Optimize Energy Performance
- LEED MR Credit 1.1, 1.2 and 1.3 – Building Reuse
- LEED MR Credit 3 – Materials Reuse
- LEED MR Credit 4.1 and 4.2 – Recycled Content
- LEED IEQ Credit 4.1 – Low-Emitting Materials – Adhesives and Sealants
- LEED IEQ Credit 8.1 – Daylight and Views – Daylight
- LEED WE Credits 1-3 Water Efficient Landscaping, Innovative Wastewater Technologies, Water Use Reduction
- LEED ID Credit 1 – Innovation in Design



ALL WEATHER INSULATED PANELS

GLOBAL STEWARDSHIP

No Volatile Organic Compound (VOC) - AWIP Panels do not contain VOCs and do not contribute to air pollution.

No Ozone Depleting Potential (ODP) - Have zero Ozone Depleting Potential & there are no limits by the EPA for its use today or in the future.

No Global Warming Potential (GWP) - AWIP Panels meet EPA blowing agent requirements for the reduction of Global Warming Potential.



R-VALUES

Thickness	75° Mean	40° Mean
2"	15.72	16.95
2.5"	19.45	21.19
3"	23.18	25.42
3.25"	25.05	27.54
4"	30.65	33.89
5"	38.12	42.36
6"	45.59	50.84

R-Values for 75° mean based on ASTM C518: Steady State Thermal Transmission. R-values for 40° mean based on interpolated data from ASTM C1363: Hot Box Apparatus. Values shown are for general use only. They do not reflect system or specific end-use insulation values.

Please consult with your All Weather Insulated Panels sales representative for project specific analysis.



**ALL WEATHER
INSULATED PANELS**

A BETTER WAY TO BUILD.



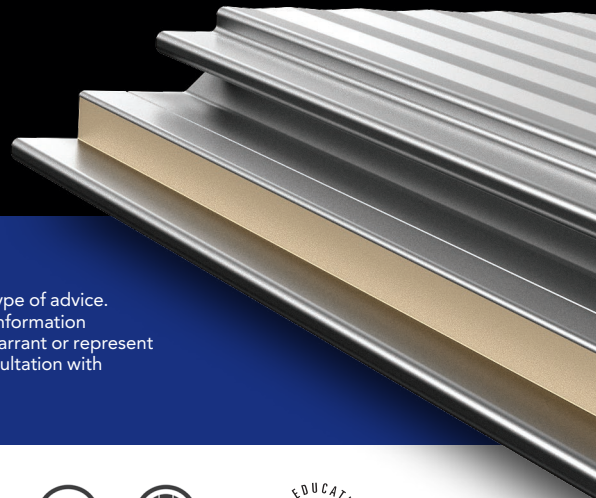
1-888-970-AWIP (2947)

www.awipanel.com

sales@awipanel.com

HEADQUARTERS & MANUFACTURING
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Vacaville, CA 95688

MANUFACTURING FACILITY
15000 Panatela Parkway
Little Rock, AR 72206



In accordance with ongoing efforts to improve our products and their performance, All Weather Insulated Panels reserve the right to change without notice the specifications contained herein. The contents herein are for general information and illustrate purposes only and are not intended to serve as any type of advice. Every effort is made to ensure the accuracy of the information included in this brochure and it is believed that the information contained herein is accurate and reliable as of the date of this publication. All Weather Insulated Panels does not warrant or represent the accuracy or reliability of any information included in this brochure. Any reliance of any information without consultation with All Weather Insulated Panels or a duly authorized representative shall be at the user's own risk.
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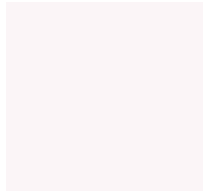
Color Availability Chart



Sandstone



Surrey Beige



Regal White

PVDF In-Stock Colors



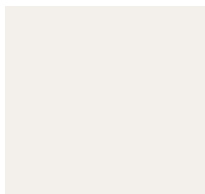
Royal Blue



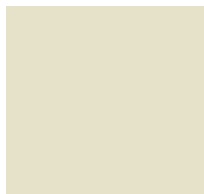
Natural Green



Pearl Gray



Imperial White

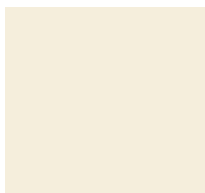


Sandstone



Surrey Beige

SMP In-Stock Colors



Warm White



Slate Gray

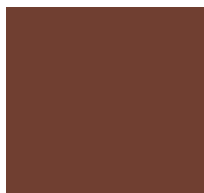


Evergreen

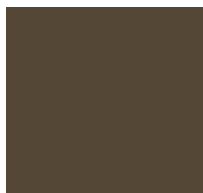
PVDF Non-Stock Colors



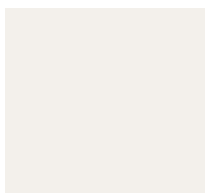
Slate Blue



Colonial Red



Weathered Copper



Imperial White

Interior Colors



- 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.
- The standard interior paint finish for all panels is Imperial White. All other colors are available as exterior facings.
- AdobeTexture™ finish is available in Sandstone, Surrey Beige, Pearl Gray and Regal White only.
- Non-stock colors and paint systems and special orders are typically subject to higher pricing and may increase lead times from point of order.
- Complete paint system specifications and standard finish warranties are available upon request.



ALL WEATHER INSULATED PANELS

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The colors shown here are representative only and not necessarily true reproductions of actual coating colors. Coil coat color chips are available upon request. For further information regarding color availability, please contact your local sales representative.