



ALL WEATHER INSULATED PANELS



FINDING BETTER WAYS TO BUILD FOR THE FUTURE

All Weather Insulated Panels

The Company

All Weather Insulated Panels is a leading innovator in the design and construction of insulated sandwich panels. With over 90 years of combined experience in the industry, the management of the Company is keenly aware of how to meet the challenges facing our building industry today with composite wall and roof systems. These challenges include escalating energy costs, environmental concerns, increasing labor rates and safety issues. Since "sandwich" panels are manufactured composites comprised of rigid facings and an insulating core, they offer superior thermal resistance, structural integrity and one step installation compared with field assembled building systems that must rely on skilled workmanship, ideal weather conditions and design variations for different climates.

The Products

All Weather Insulated Panels offers a complete line of rigid urethane core wall and roof panels with a choice of flat or profiled walls with hidden fastenings, standard and low slope roof panels with hidden or exposed fastenings, roof deck panels designed for use with single ply membranes or standing seam metal roof coverings and all related trims and accessories for a complete installation.

Manufacturing

All Weather panels are manufactured on a state of the art, fully automated, continuous production line providing absolute precision in roll forming tolerances, adhesion and uniformity of core cell structure. Features include a long length self contained double belt lamination conveyer, cooling conveyer to eliminate heat related face distortion, quick change roll form tooling sections and four stream chemical metering to ensure uniform in-place densities at all thicknesses.

Services

Services include a knowledgeable sales staff capable of assisting with panel assembly design, lump sum or component pricing, complete CAD shop/erection drawings in coordination with customer supplied structural drawings, extremely fast turnaround of standard color finish orders and a choice of pre-paid or collect freight terms.



For more information on these products, please visit www.awipanel.com

Architectural Wall Panels

FL40

FL40 panels are produced with a smooth or micro-embossed, flat 22 gauge factory coated steel exterior face for a hi-tech architectural appearance. They can be installed either vertically or horizontally.

The horizontal wall assembly incorporates a clean, simple end joint design that utilizes a unique self-aligning pre-painted aluminum extrusion.

Standard thicknesses (inches): 2, 2.5, 3



FL40 Wall specifications:

Standard exterior facing: 22 gauge G-90 galvanized steel

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Other available interior steel facings: 24, 22

Module lengths: 8' to 40'

Joinery: Offset double interlocking tongue and groove with hidden fastening

R-Values: 2"=16, 2.5"=20, 3"=24

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density

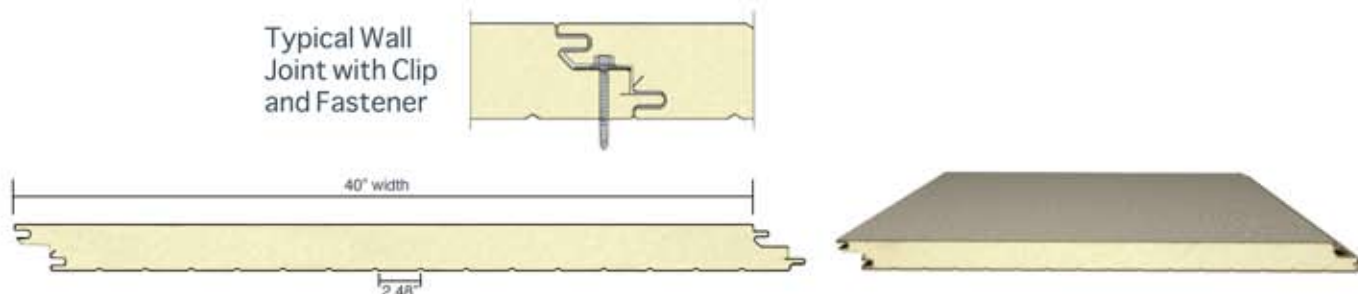


AdobeTexture™ Wall Panels

HE40-A

The HE40-A AdobeTexture™ panel provides a low gloss multi-textured profile and finish system that simulates a troweled stucco style appearance without the problems common to field assembled stud and stucco construction or factory sprayed composite panels. The proprietary AdobeTexture™ finish system carries a 25 year limited warranty against chalking, fading and loss of adhesion.

Standard thicknesses (inches): 2, 2.5, 3, 4



HE40-A wall specifications:

Standard exterior facing: 26 gauge G-90 galvanized steel. AdobeTexture™ finish is available in Sandstone, Surrey Beige, Pearl Grey, and Snowdrift White only.

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Module lengths: 8' to 50'

Joinery: Offset double interlocking tongue and groove with hidden fastening

R-Values: 2"=16, 2.5"=20, 3"=24, 4"=32

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density



Profiled Wall Panels

SM40

The SM40 standard mesa profile panel is perfect for exterior/interior wall and ceiling applications on industrial and cold storage use buildings. The low profile linear exterior surface simplifies flashing connections designed to inhibit moisture vapor transmission compared with other deep fluted products offered on the market. This product is also available with the mesa profile on both sides and is referred to as double mesa (DM40). The DM40 is ideal for thicker, long-length walls.

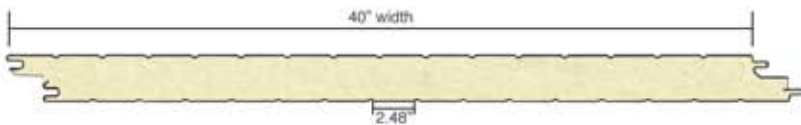
Standard thicknesses (inches): 2, 2.5, 3, 4, 5, 6



MV40

The MV40 micro vee panel offers an extremely economical exterior or interior wall where a clean, flat profile appearance is desired. The nominal .2 millimeter deep stiffening beads help maintain an acceptable flatness tolerance in the light 26 gauge facings. This product is suitable for exterior applications up to 3" and up to 6" for interior use.

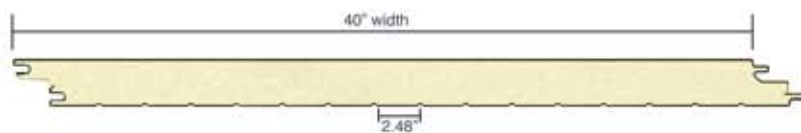
Standard thicknesses (inches): 2, 2.5, 3, 4, 5, 6



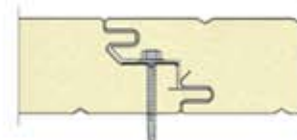
HE40

The HE40 heavy embossed panel is installed on exterior walls with a factory applied paint finish or may be field sprayed with an acceptable textured elastomeric coating. The heavy embossment adds rigidity to the light gauge surface in order to maintain an otherwise flat appearance.

Standard thickness (inches): 2, 2.5, 3, 4



Typical Wall Joint with Clip and Fastener

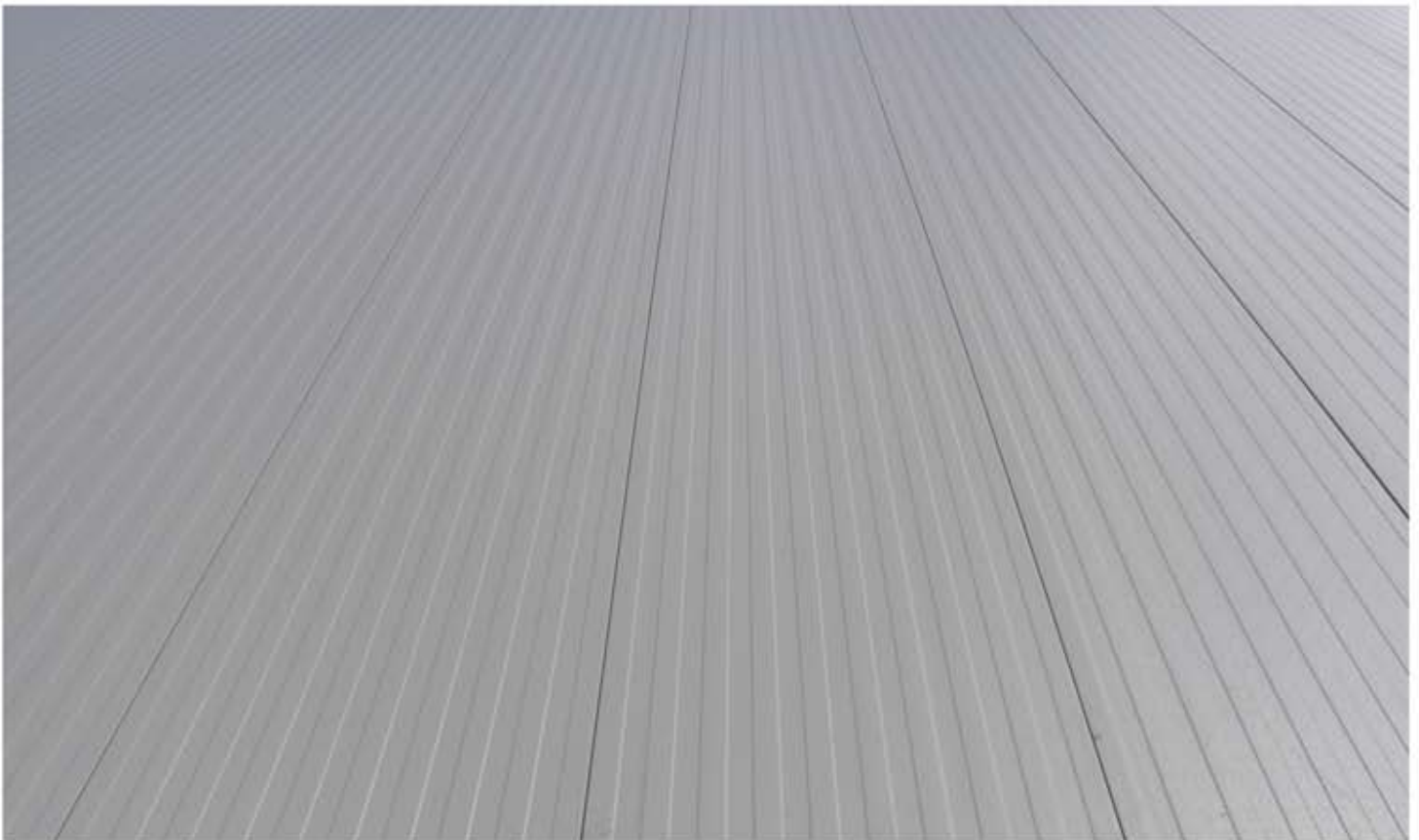


General wall specifications:

Standard exterior facing: 26 gauge G-90 galvanized steel
Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester
Other available steel facings: 24, 22 (HE available in 26 ga exterior only)
Module lengths: 8' to 67'
Joinery: Offset double interlocking tongue and groove with hidden fastening
R-Values: 2"=16, 2.5"=20, 3"=24, 4"=32, 5"=41, 6"=49
Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density



Micro Vee Wall



Mesa Wall

For more information on these products, please visit www.awipanel.com

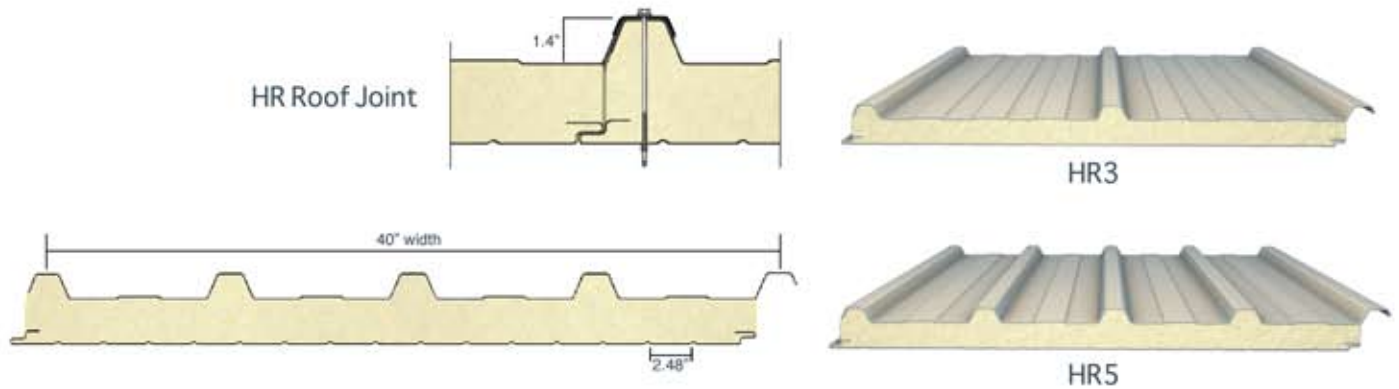
Hi Rib Roof Panels

HR3 and HR5

The HR3 (three rib) high rib panel is an economical solution to field assembled metal roofing. This product installs quickly and easily by through fastening at standing ribs into supporting structural members.

The HR5 (5 rib) high rib panel was developed for long span and/or severe loading conditions. Fastening is identical to the HR3 panel.

Standard thickness (inches): 2.5, 4, 5, 6



HR roof specifications:

Standard exterior facing: 26 gauge G-90 galvanized steel

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Other available steel facings: 24, 22

Module lengths: 8' to 60'

Joinery: Overlapping (HR series), Preformed snap-on cap (CR series)

R-Values: 2.5"=20, 4"=32, 5"=41, 6"=49

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density



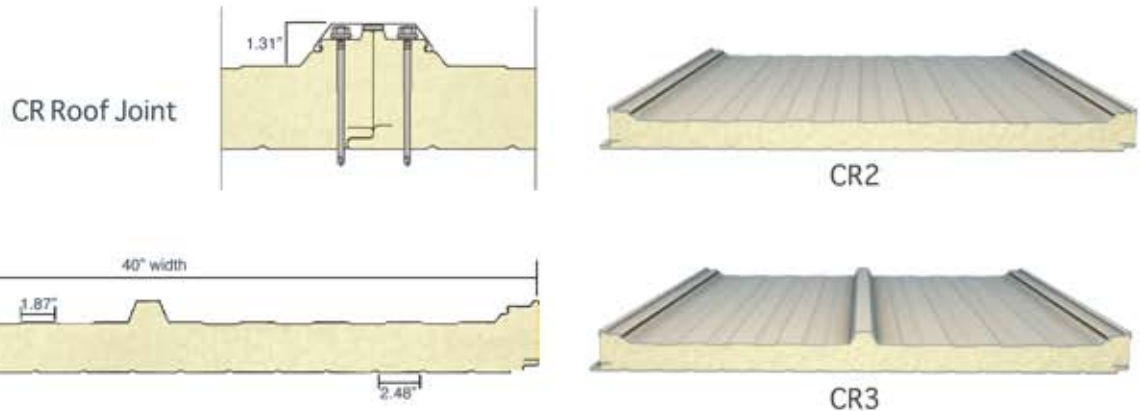
Cap Rib Roof Panels

CR2 and CR3

The CR2 (two rib) cap rib panel is designed for use on minimum 1/2:12 roof slopes. The easy snap-on sealing batten cap allows for a hidden fastener installation and eliminates stitch fastening or seaming.

The CR3 (three rib) cap rib panel offers increased spans when needed and is otherwise identical to the CR2 panel.

Standard thickness (inches): 2.5, 4, 5



CR roof deck specifications:

Standard exterior facing: 26 gauge G-90 galvanized steel

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Other available steel facings: 24, 22

Module lengths: 8' to 60'

Joinery: Preformed snap-on cap

R-Values: 2.5"=20, 4"=32, 5"=41

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density



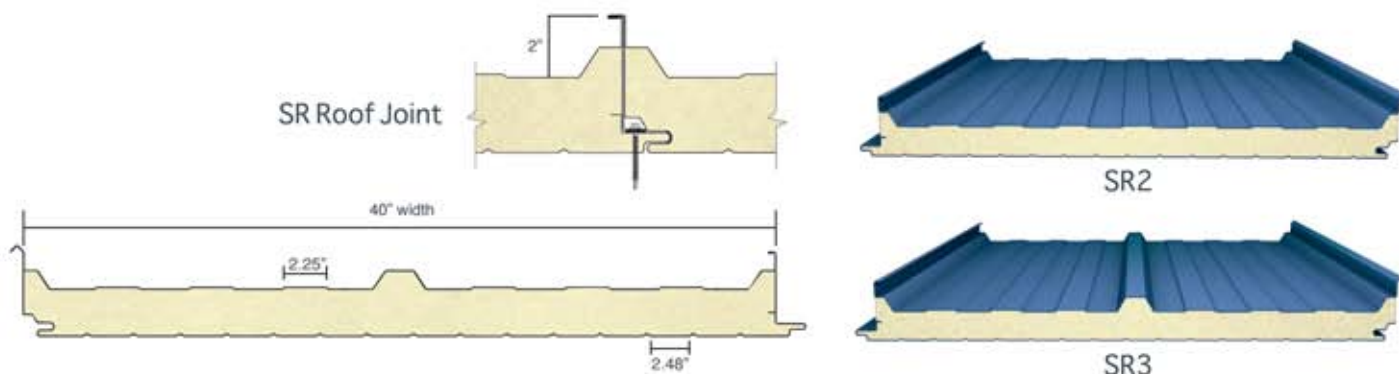
Standing Seam Roof Panels

SR2 and SR3

The SR2 (two rib) standing seam roof panel offers a field seamed, hidden fastener joinery for maximum protection against the elements. The trapezoidal rib design provides added strength against potential foot traffic damage compared with other vertical standing seam roof products. Because the SR2 joint design utilizes a rollformed steel base to support the attachment assembly, the thermally broken clip is only one piece. An optional base only clip design is available for applications not requiring high wind resistance.

The SR3 (three rib) panel offers increased spans when needed and is otherwise identical to the SR2.

Standard thicknesses (inches): 3.25, 4, 5, 6



SR roof specifications:

Standard facings: 26 gauge G-90 galvanized steel

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Other available steel facings: 24, 22

Module lengths: 8' to 60'

Joinery: Offset double interlocking tongue and groove with hidden fastening

R-Values: 3.25"=26, 4"=32, 5"=41, 6"=49

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density



Roof Deck

RD5

The RD5 roof deck panel provides the steel deck, insulation and substrate for white single ply membrane or non-structural standing seam roof coverings in a single composite as opposed to rigorous and expensive field assembled roof deck systems. Advantages include longer spans between supports, a working platform during installation, superior deflection resistance, a white reflective interior and fewer trades to install. The topside substrate can be either primed steel sheet or an approved flexible facer depending on the roof covering attachment requirements.

Standard thickness (inches): 2.5, 4, 5, 6



Roof deck specifications:

Standard exterior facing: 28 gauge G-90 galvanized steel

Standard interior facing: 26 gauge G-90 galvanized steel, Imperial White polyester

Other available steel facings: 24, 22

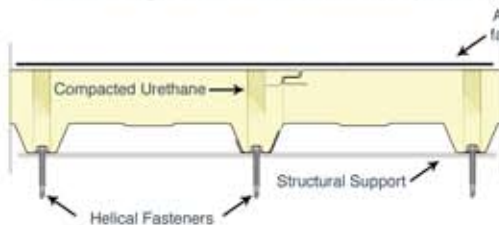
Module lengths: 8' to 60'

Joinery: Overlapping

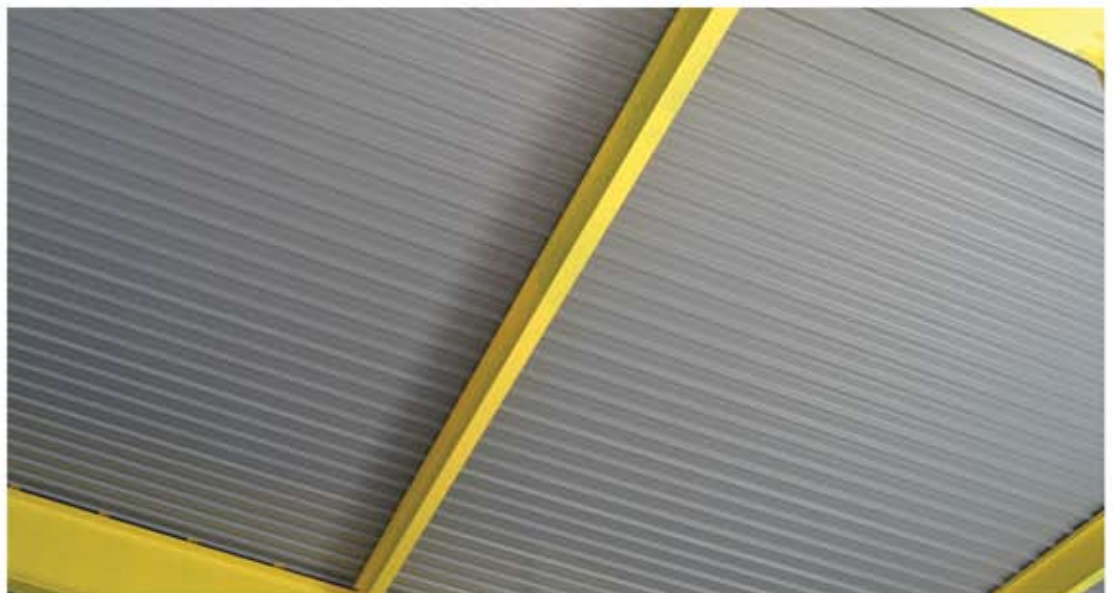
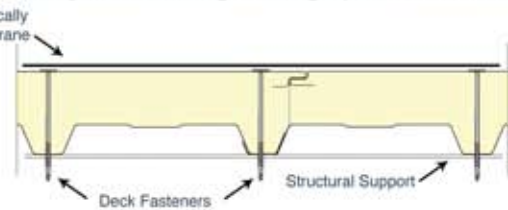
R-Values: 2.5"=20, 4"=32, 5"=41, 6"=49

Core: Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density

Fastening at roof base from topside



Deck Style fastening through panel from topside



In-stock Colors and Finishes

Color	Type	Application	Standard Warranty
Imperial White	1.0 mil Composite Polyester	exterior / interior	20 years
Snowdrift White	1.0 mil Premium Ceramic	exterior	30 years
Sandstone	1.0 mil Premium Ceramic	exterior	30 years
Surrey Beige	1.0 mil Premium Ceramic	exterior	30 years
Regal Blue	1.0 mil Premium Ceramic	exterior	30 years
Natural Green	1.0 mil Premium Ceramic	exterior	30 years
Pearl Grey	1.0 mil Premium Ceramic	exterior	30 years
White Plastisol	4 mil PVC	exterior / interior	inquire
Stainless Steel	304 2B	interior	N/A

Notes:

- 1) All Weather offers embossed metal surfaces as a standard on wall panels and non-embossed (smooth) for roof exterior surfaces. Non-embossed finishes may be available on wall panels upon request depending on color, gauge and end use.
- 2) Complete paint system specifications are available upon request.
- 3) The standard interior paint finish for all panels is Imperial White.
- 4) All colors except Imperial White are available in a fluorocarbon (PVDF) finish upon request.
- 5) All colors shown below are Cool Roof formulations meeting High and Low Slope ENERGY STAR® specifications.
- 6) **AdobeTexture™** finish is available in Sandstone, Surrey Beige, Pearl Grey, and Snowdrift White only.

Color Chart



Natural Green



Regal Blue



Pearl Grey



Surrey Beige



Sandstone



Snowdrift White



Imperial White

*Colors depicted herein closely approximate actual coating colors. Coil coat color chips are available upon request.

Cold Storage and Food Processing Facilities



From This



To This

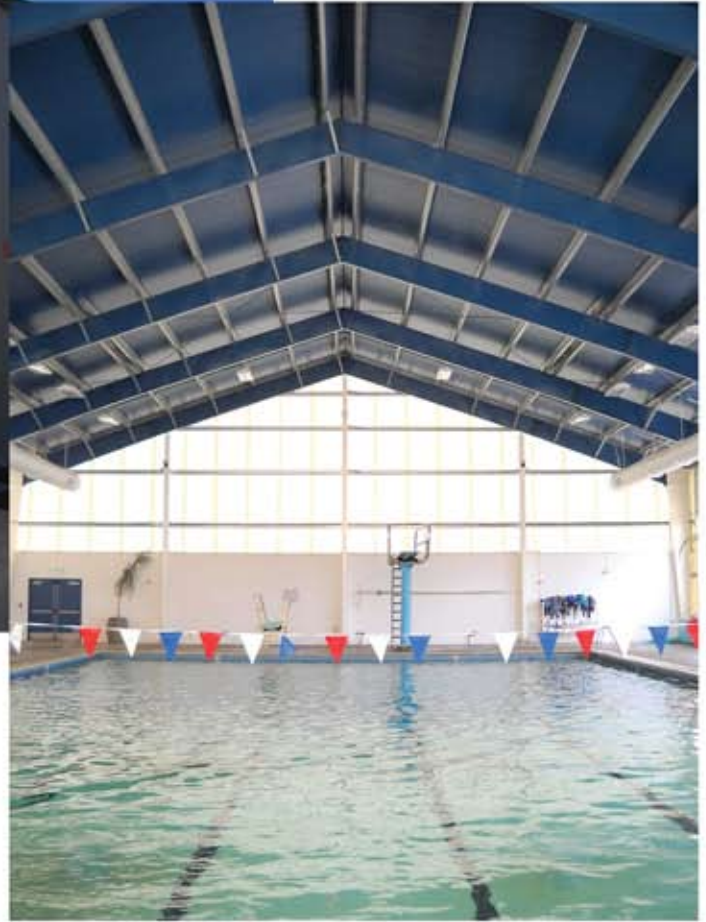


All Weather Insulated Panels



is committed to business practices that promote environmental conservation and to delivering energy efficient products that support the efforts of the global community to ultimately succeed in creating a truly sustainable living environment for all of us.

- We produce highly insulative wall and roof panels that provide the best thermal resistance to a building envelope economically. The product design greatly minimizes the use of energy required to heat or cool the building interior.
- We incorporate finishes that are engineered to reduce carbon footprint (CO₂) through "Cool Roof" solutions and technologies. All Weather roof products maximize solar reflectance and thermal emissivity optimizing energy efficiency. Our standard color offerings meet Energy Star high and low roof slope requirements.
- We use recyclable materials to produce recyclable products. All Weather panels are manufactured with approximately 33% recycled materials. The steel facings and urethane foam core are 100% recyclable.
- All Weather panels have zero ozone depleting potential (ODP), do not produce measurable volatile organic compounds (VOC) and meet current EPA blowing agent requirements for the reduction global warming potential (GWP).
- All Weather panels significantly contribute to LEED ratings of a building.



ALL WEATHER INSULATED PANELS

Tests/Approvals

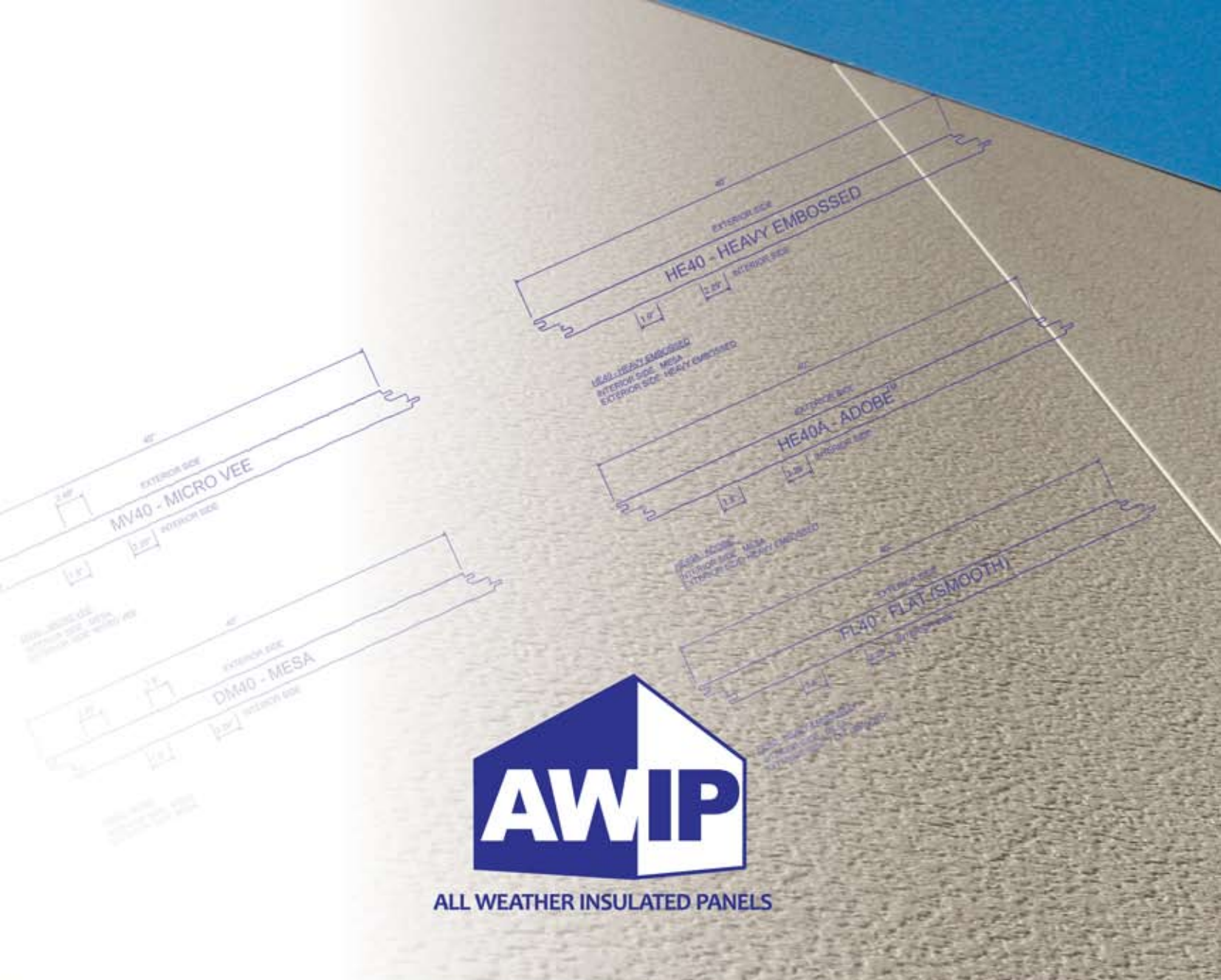
Type	Procedure or Standard
Structural	ASTME 72
Thermal Transmission	ASTMC 518, ASTM C 1363
Air/Water Infiltration	ASTME 283/E 331
Factory Mutual 4880	Room Corner, Flame Spread, Potential Heat, Ignition
Factory Mutual 4880	Unlimited Height Wall/Ceiling (Passed)
Factory Mutual 4881	Exterior Wall Windstorm
Factory Mutual 4471	Wind Uplift, ASTME 108
CAN/ULC	S101-04, S102-07, S126-M86



Complete general specifications, test reports, load span tables and suggested installation details are available upon request or can be downloaded directly from our Website at www.awipanel.com

Disclaimer

All information published and distributed by All Weather Insulated Panels is thought to be reliable and correct. Installation details are meant to represent typical product applications based on standard construction practices. It is the ultimate responsibility of the buyer or his owner or architect to verify that the product(s) selected are suitable for the specific application. In accordance with our ongoing efforts to improve our products, All Weather Insulated Panels reserves the right to change any information contained in its publications without notice.



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