All Weather Insulated Panels
929 Aldridge Road
Vacaville, CA 95688
707.359.2280
www.awipanels.com

AWIP
ALL WEATHER INSULATED PANELS

HE40-A AdobeTexture™ Wall Panel

- Eliminates need for elastomerics
- Breakthrough technology bringing stucco look and texture to insulated wall panels
- Same easy installation as standard wall paneling
- Eliminates multi-step field assembly currently needed for stud and stucco systems
- Self alignment double tongue and groove with concealed fastener joints
- Matching AdobeTexture trim for clean continuous look and feel
- 25 Year factory warranty on finish system including adhesion, chalking and fading

FM APPROVED
4880
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This LEED® Support

information is intended to assist design professionals in determining the environmental benefits of All Weather Insulated Panels relative to the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) rating system.

LEED® SUPPORT

Foam Core
All Weather panels utilize the Enovate 3000 245fa blowing agent produced by Honeywell.

VOC's (Volatile Organic Compounds)
All Weather panels emit no detectable VOC's and do not contribute to air pollution.

ODP (Ozone Depleting Potential)
All Weather panels have Zero Ozone Depleting Potential.

GWP (Global Warming Potential)
Enovate 3000 245fa system has no EPA limits for use today and into the foreseeable future

Insulating R-Values
2.0" = 16
2.5" = 20
3.0" = 24
4.0" = 32

Energy & Atmosphere - Credit 1 — Optimize Energy Performance — Possible Credit = 1 point
All Weather wall and roof panels provide insulating R-Values ranging from 16 to 50 @ 75° F. Lower mean temperatures actually increase thermal resistance, so our panels perform better at lower temperatures.

Materials & Resources

Credit 1 — Building Reuse — Possible Credit = 1 point
All Weather wall and roof panels are structurally superior to traditional component building assemblies. This reduces and, in some cases, eliminates the amount of structural elements required. They can also be installed in a retrofit application on existing structures, often with no additional support required.

Credit 3 — Resource Reuse — Possible Credit = 1 point
All Weather panels can be disassembled, moved and reused. If previously used panels are reused in new construction, the owner may be eligible for LEED® credit.

Credit 4 — Recycled Content — Possible Credit = 1 point
All Weather steel panels facings contain 23% to 26% post consumer and industrial recycled content. The steel facing are 100% recyclable. The foam core is also 100% recyclable.

Credit 5 — Regional Materials — Possible Credit = 1 point
All Weather panels are manufactured on a continuous production line for easy distribution throughout the continental U.S. Possible LEED® credit if the panels are used within 500 miles of the manufacturing plant.

Indoor Air Quality - Credit 7.1 — Thermal Comfort — Possible Credit = 1 point
All Weather panel performance related to thermal resistance and air/water infiltration - in conjunction with energy efficient HVAC equipment can provide the maximum climate control to create and maintain thermally comfortable environment.

ALL WEATHER INSULATED PANELS

HE40-A AdobeTexture™ Wall Panel

Insulated Panel Technical Data

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HE40-A AdobeTexture™ factory finish coated wall panels offer a low gloss multi-textured profile and finish system that simulates an earth tone troweled stucco style appearance. This unique process eliminates the need for additional factory or field applied stucco coatings and offers far superior adhesion and color retention. Typical trim matching and finishing issues common to sprayed elastomeric applications are also avoided with the AdobeTexture™ factory finish coating system.

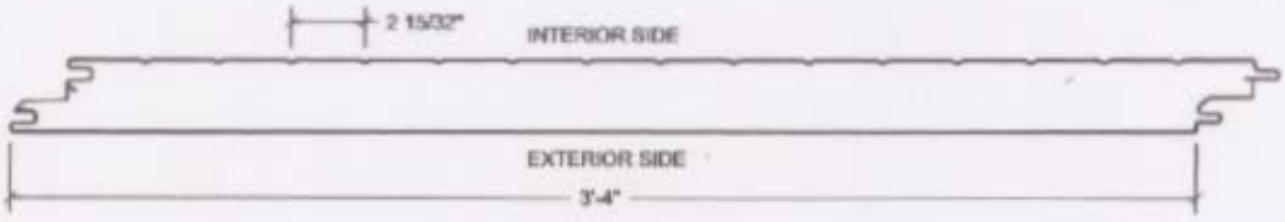
FEATURES & BENEFITS

- The panel's double interlocking tongue and groove joint is self-aligning and weather tight and allows for sealant application at either the interior or exterior side of the panel joinery depending on the direction of vapor drive.
- The panel arrives on site in one piece and requires a simple one step installation reducing construction time and costs.
- No special storage or handling methods required for factory-applied stucco panels.

ALLOWABLE LOAD FOR ALL WALL PANELS (PSF)

PANEL THICKNESS	PANEL WEIGHT	SIMPLE SPAN (FT)								MULTIPLE SPAN (FT)							
(IN)	(PSF)	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
2"	2.22	49	37	29	23	19				70	54	43	35	29	24	20	
2.5"	2.34	60	45	35	28	23	19			82	64	51	41	34	29	24	21
3"	2.41	70	53	41	33	27	22	19		94	74	59	48	40	33	28	25
4"	2.62	95	72	56	45	37	31	26	22	119	94	76	63	53	45	38	33

Notes: 1) Spans shown are based on transverse load testing per ASTM E-72. Thermal effects due to temperature differentials have not been considered.
2) Fastener schedules shall be based on projected wind load requirements. Fasteners must be approved by AWIP based on the specific end use.
3) Allowable deflection is L/180, and facings are 26/26 gauge.



PRODUCT PARAMETERS

Panel Thickness:	2"	2.5"	3"	4"
Insulating Values (R):	16	20	24	32
Panel Width:	40"			
Panel Length:	from 8' to 56' maximum			
Standard Exterior Facing:	26 gauge G-90 galvanized steel			
Standard Interior Facing:	26 gauge G-90 galvanized steel, Imperial White Polyester			
Other Avail. Steel Facings:	24 and 22 gauge (HE available in 26 ga exterior only)			
Joinery:	Offset double interlocking tongue & groove with hidden fastening			
Core:	Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density			

Our Energy Saving Partners Include:

Honeywell

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AWIP
ALL WEATHER INSULATED PANELS

RD5 Insulated Roof Deck

- Breakthrough single step process for Roof Deck Installation
- Can be used as working platform during installation
- Extremely light-weight unitized construction
- Greater span distance between supports
- Excellent diaphragm sheer resistance
- Provides up to R50 insulation value
- Complete vapor barrier protection
- Superior resistance to deflection
- Installation training available
- Up to 60 foot module lengths

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LEED® SUPPORT

Sustainable Sites - Credit 7.2 Heat Islands - Roofs Possible Credit = 1 point

Our RD5 roof deck meets requirements for low-slope roofing using a white membrane roof covering.

	Initial Reflectance	Solar Reflectance	Emittance
Typical TPO Membrane (or equivalent)	.65	.87	.92
Energy Star® & LEED® Requirements	.65	.78	.90

Energy & Atmosphere - Credit 1 Optimize Energy Performance Possible Credit = 1 point

All Weather wall and roof panels provide insulating R-Values ranging from 16 to 50 @ 75° F. Lower mean temperatures actually increase thermal resistance, so our panels perform better at lower temperatures.

Materials & Resources

Credit 1 Building Reuse Possible Credit = 1 point

All Weather wall and roof panels are structurally superior to traditional component building assemblies. This reduces and, in some cases, eliminates the amount of structural elements required. They can also be installed in a retrofit application on existing structures, often with no additional support required.

Credit 3 Resource Reuse Possible Credit = 1 point

All Weather panels can be disassembled, moved and reused. If previously used panels are reused in new construction, the owner may be eligible for LEED® credit.

Credit 4 Recycled Content Possible Credit = 1 point

All Weather steel panels facings contain 23% to 26% post consumer and industrial recycled content. The steel facing are 100% recyclable. The foam core is also 100% recyclable.

Credit 5 Regional Materials Possible Credit = 1 point

All Weather panels are manufactured on a continuous production line for easy distribution throughout the continental U.S. Possible LEED® credit if the panels are used within 500 miles of the manufacturing plant.

Indoor Air Quality - Credit 7.1 Thermal Comfort Possible Credit = 1 point

All Weather panel performance related to thermal resistance and air/water infiltration - in conjunction with energy efficient HVAC equipment can provide the maximum climate control to create and maintain a thermally comfortable environment.

ALL WEATHER INSULATED PANELS

RD5 Insulated Roof Deck

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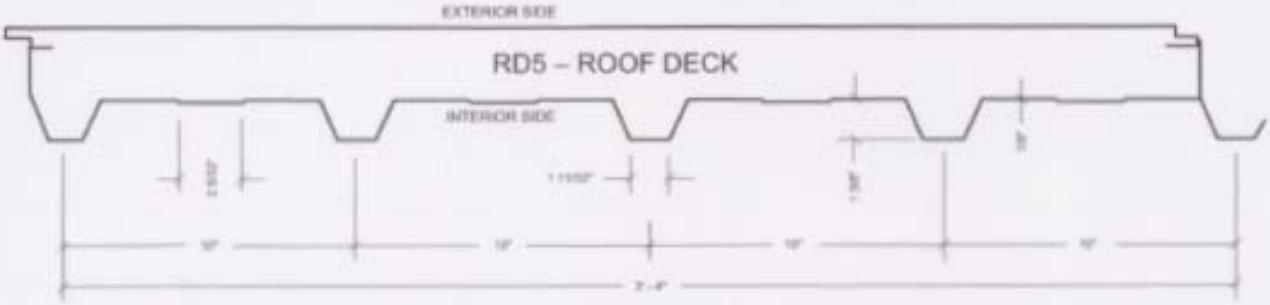
Insulated Panel Technical Data

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 composit 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.



All Weather Insulated Panels

Thickness (IN)	Number of spans	Panel Weight (PSF)	ALLOWABLE LOAD FOR RD5 26/26 ROOF DECK PANEL (PSF) SPAN (FT)										
			5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
2.5"	Simple	2.33	81	65	54	44	40	33	28	20	16		
	Multiple		84	70	58	49	44	38	34	28	22		
4"	Simple	2.65	126	101	85	72	61	53	46	41	36	32	27
	Multiple		128	107	88	77	67	59	53	47	42	39	35
5"	Simple	2.86	157	128	97	90	78	67	58	51	45	41	37
	Multiple		161	131	102	96	84	73	65	59	53	48	44

Notes:
1) Spans shown are based on deflection and connection strength derived from ASTM E-72 testing. Thermal effect due to temperatures differentials have not been considered. Consult your AWIP sales representative for project requirements.
2) Connection pattern assumes one 1/4-14 self tapping fastener at each rib and at each minimum 16 ga support.
3) Allowable deflection is L/240.

PRODUCT PARAMETERS

Panel Thickness:	2.5"	3"	4"	5"	6"
Insulating Values (R):	20	24	32	41	50
Panel Width:	40"				
Panel Length:	from 8' to 60' maximum				
Standard Exterior Facing:	28 gauge G-90 galvanized steel				
Standard Interior Facing:	26 gauge G-90 galvanized steel, Imperial White Polyester				
Other Avail. Steel Facings:	24 and 22 gauge				
Joinery:	Overlapping				
Core:	Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density				

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Honeywell

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AWIP
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DM40-H Hard Wall Panel

- Impact and Puncture Resistant
- OSB imbedded directly under steel surface
- Attach Electric Utility Panels and signage directly to Hard Wall
- Fasten exposed conduit runs directly to panels
- Use to hold equipment and lighting
- Eliminate the cost of concrete or CMU stem walls
- Excellent for Food Storage facilities
- Use for Ceiling Panel where topside access needed

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LEED® SUPPORT

Foam Core
All Weather panels utilize the Enovate 3000 245fa blowing agent produced by Honeywell.

VOC's (Volatile Organic Compounds)
All Weather panels emit no detectable VOC's and do not contribute to air pollution.

ODP (Ozone Depleting Potential)
All Weather panels have Zero Ozone Depleting Potential.

GWP (Global Warming Potential)
Enovate 3000 245fa system has no EPA limits for use today and into the foreseeable future.

Energy & Atmosphere - Credit 1 — Optimize Energy Performance — Possible Credit = 1 point
All Weather wall and roof panels provide insulating R-Values ranging from 16 to 50 @ 75° F. Lower mean temperatures actually increase thermal resistance, so our panels perform better at lower temperatures.

Materials & Resources

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Credit 3 — Resource Reuse — Possible Credit = 1 point
All Weather panels can be disassembled, moved and reused. If previously used panels are reused in new construction, the owner may be eligible for LEED® credit.

Credit 4 — Recycled Content — Possible Credit = 1 point
All Weather steel panels facings contain 23% to 26% post consumer and industrial recycled content. The steel facing are 100% recyclable. The foam core is also 100% recyclable.

Credit 5 — Regional Materials — Possible Credit = 1 point
All Weather panels are manufactured on a continuous production line for easy distribution throughout the continental U.S. Possible LEED® credit if the panels are used within 500 miles of the manufacturing plant.

Indoor Air Quality - Credit 7.1 — Thermal Comfort — Possible Credit = 1 point
All Weather panel performance related to thermal resistance and air/water infiltration - in conjunction with energy efficient HVAC equipment can provide the maximum climate control to create and maintain thermally comfortable environment.

ALL WEATHER INSULATED PANELS

DM40-H Hard Wall Panel

Insulated Panel Technical Data

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DM40-H Hard Wall Panel is ideal for environments where punctures and tears may occur. The OSB is inserted behind the interior steel wall to provide substantial strength to resist damage from impact. The panel is also ideally suited for hanging electrical boxes and piping. Consult your local AWIP representative for specific attachment requirements.

FEATURES & BENEFITS

- The panel's double tongue and groove joint is self-aligning and weather tight and allows for sealant application at either the interior or exterior side of the panel joinery depending on the direction of vapor drive.
- The standard metal surface is 26ga G-90 galvanized steel with composite polyester or ceramic exterior coatings (PVDF coatings available).
- The panel arrives on site in one piece and requires a simple one step installation, reducing contruction time and costs.

HM40 - HARD WALL MESA
INTERIOR SIDE : MESA
EXTERIOR SIDE: MESA

Our Energy Saving Partners Include:

Honeywell

PRODUCT PARAMETERS

Panel Thickness:	2.5"	3"	4"	5"	6"
Insulating Values (R):	17.8	21.7	29.5	37.3	45.1
Panel Width:	40"				
Panel Length:	from 8' to 40' maximum				
Standard Exterior Facing:	26 gauge G-90 galvanized steel				
Standard Interior Facing:	26 gauge G-90 galvanized steel, Imperial White Polyester				
Other Avail. Steel Facings:	24 and 22 gauge (HE available in 26 ga exterior only)				
Joinery:	Offset Double Interlocking Tongue & Groove with hidden fastening				
Core:	Continuously foamed-in-place urethane with nominal 2.2 to 2.5 pcf density				

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