

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.

Sustainable Sites

Credit 7.2 Heat Islands - Roofs Possible Credit = 1 point

Our HR3, HR5, CR2 and CR3 meet the requirements for low-slope roofing with our standard Imperial White and Snowdrift White exterior finishes. All standard roof paint finishes are formulated to meet high slope cool roof requirements.

	<u>Initial Reflectance</u>	<u>Solar Reflectance</u>	<u>Emittance</u>
All Weather Roofs (Whites)	.65	.78	.85
Energy Star® & LEED® Requirements	.65	.78	.90

Energy and 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 @ 75deg F. Lower mean temperatures actually increase thermal resistance, so our panels perform better at lower temperatures.

Materials and 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 panel facings contain 23% to 26% post consumer and industrial recycled content. The steel facings 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.



Reflectivity and Emissivity Values

All Weather HR-3, HR-5, CR-2 and CR-3 roof panels meet Energy Star high slope requirement of .25. Our Imperial White and Snowdrift White meet the low slope requirement of .65

All Weather
Standard In-Stock Colors

High Slope
.25



Low Slope
.65

Imperial White
Snowdrift White
Sandstone
Surrey Beige
Pearl Gray

✓
✓
✓
✓
✓

✓
✓

Cool Roof Rating Council

All Weather panels Imperial White and Snowdrift White paint formulations manufactured by Duracoat Products are CRRC listed and meet the definition of "cool" roofing under California Energy Code Title 24.



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.

Note: In recognition for it's development of Enovate 3000 as a non-ozone depleting blowing agent, the Environmental Protection Agency (EPA) awarded Honeywell the 2002 Stratospheric Ozone Protection Award.



Insulating R-Values

2" = 16
2 1/2" = 20
3" = 24
4" = 32
5" = 41
6" = 50

Please contact us regarding your next project:

All Weather Insulated Panels

929 Aldridge Road
Vacaville, CA, 95688
707.359.2280
www.awipanel.com

