



November 28, 2011

To Whom It May Concern,

Please accept this letter as our verification of Kingspan Insulated Panel's potential contributions to LEED®.

**LEED Credit SS 7.2- Heat Island Effect—Roof**

Kingspan uses paints from Valspar® Cool Color Pallet. Twenty-eight of Valspar's colors meet LEED standards for steep slope roofs, while three colors meet low slope requirements. By using Valspar, Kingspan also meets standards for the ENERGY STAR qualified roof products for reflectivity.

**LEED Energy and Atmosphere Prerequisite 1, 2 and 3**

Kingspan insulated panels contribute to all envelope required energy efficiency prerequisites and minimum energy requirements as well as optimized energy efficiency. Our concept of Envelope First™ designs to optimize the energy efficiency of the building envelope and can effectively reduce the air infiltration rate of typical wall assemblies by 45%.

**LEED Credit EA 1- Optimize Energy Performance**

Kingspan insulated panels, in a given whole building design, and depending on climate zone, contribute to LEED EA points singularly. Combined with the ECM (Energy Conservation Measures), Kingspan Insulated Panels can exceed LEED's 48% benchmark.

**LEED Credit EA 2 Onsite Renewable Energy**

To get to the Net-Zero Energy goal set for 2025, renewable energy will be required. Kingspan's PV Power Panel will meet this need.

**LEED Credit MRc4.1 & 4.2-Recycled Content (1 or 2 Points)**

<i>Assembly Components:</i>	<i>Weight (lbs / sq.ft.)</i>	<i>% PC</i>	<i>% PI</i>
Steel Facings	2.475	25%	15%
Polyisocyanurate Core	0.525	0%	0%
Totals:	3.00	25%	15%

- Assembly Recycled Content = (Component Wt. x Recycled Content / Total Wt.) x 100 %)
- Percentages are based on 1 sq.ft. of material at a weight of 3 lbs

**LEED Credit IEQ 4.1- Low-Emitting Materials—Adhesives and Sealants**

Kingspan Insulated Panels uses Tremco JS-773 containing a VOC content of 151g/L. This satisfies credit IEQ Credit 4.1 as per the Architectural standard of 250g/L.

**LEED Credit IEQ 4.2- Low-Emitting Materials—Paints and Coatings**

All metal is pre-coated before it is received to Kingspan Insulated Panels and is inert at time of installation

**LEED Credit ID 1: Innovation in Design**

Using Kingspan's Envelope First™ approach, buildings have the potential to go above and beyond the criteria set by LEED for energy efficiency. Envelope First strategies can also help contribute towards Net-Zero Energy buildings which will be required by 2025 per the U.S. Department of Energy.

## LEED Pilot Credit 43 – Labeled Products

Specify and install non-structural products and materials with attributes described below for a weighted value of at least 10% of the total value of all non-structural materials and products. ISO Type I and III Declarations qualify for this credit.

Compliant certifications are those consistent with the draft LEED Standard for Standards

**Third-party Certified Type III EPD: Product Specific** – An ISO 14025 voluntary, third party reviewed LCA-based Environmental Product Declaration based on a Product Category Rule document and program operator for specific products.

EPD Pathway	Weight
Third party certified Type III EPD	Product Specific

Kingspan's first of its kind UL certified, ISO 14025 compliant, Environmental Product Declaration (EPD) meets this requirement

### Beyond LEED

Kingspan's insulated metal panels contribute to a sustainable building envelope beyond the LEED program. Because they are a light weight, single component system, insulated metal panels can save time and money during installation. Fewer trades are required and installation can be cut by 50% compared to site assembled multi-part built up systems. Also, our durable panels can be installed in any weather condition.

Ideal for temporary buildings, insulated panels can be easily removed and reinstalled onto future projects. Be sure to ask one of our knowledgeable sales representatives about available warranties that guarantee our panel's thermal performance and aesthetic endurance.

Kingspan Insulated Panels has three U.S. manufacturing locations- Deland, FL, Modesto, CA and Columbus OH as well as two Canadian locations in Langley, BC and Caledon, ON. Before delivery, our quality control team carefully inspects all orders to ensure customer satisfaction. Panels arrive to the job site perfectly trimmed ready to install, leaving little onsite waste.

Numerous tax credits, incentives and grants are available for sustainable buildings on Federal, State, and local levels including the Energy Efficient Commercial Business Deduction and the Energy Investment Tax Credit. A full list of incentives on a state-by-state breakdown can be found at [www.dsireusa.org](http://www.dsireusa.org).

The USGBC's mission "to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life" will not come just from adhering to the LEED program standards. A total shift in thinking must happen within the entire design team throughout all stages of design and construction. Using an

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integrated approach like Envelope First™ will catapult buildings to the next level, leading to more energy efficient buildings, quicker and higher ROI and the best part- more satisfied occupants.

To find even more environmental and financial benefits of building with Kingspan Insulated Panels, please see our White Paper which is available for download at [www.kingspanpanels.us](http://www.kingspanpanels.us). If you have need of further information, please feel free to contact me.

Regards,

A handwritten signature in black ink that reads "Paul R. Bertram, Jr." in a cursive style.

Paul R Bertram, Jr, FCSI, CDT, LEED AP  
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