



High Performance Powder Coatings

Achieving LEED v4 points with high performance organic powder coatings



LEED (Leadership in Energy and Environmental Design) has become the international standard for the design, construction and operation of high-performance structures. LEED v4 aims to offer an expanded focus on materials, improved flexibility and a performance based approach that calls for measurable results at every stage of a project's life.

LEED v4 **requires** all vendors to LEED projects to have an **Environmental Product Declaration (EPD)**. An EPD is an objective report based on a life cycle assessment (LCA). Like a nutrition label, it communicates information about the potential environmental and human health impacts of a product across the entire life cycle, from raw material extraction to disposal.

IFS Coatings has achieved EPD's for each of our high performance architectural powder coatings. This includes **IFS 500FP**, the high performance Fluoropolymer powder for exterior applications, **IFS 400SD** the hard working Super Durable Polyester for applications like commercial storefront, and **IFS 300SP** a perfect choice for interior applications.

How will using IFS high performance architectural coatings achieve LEED points?

The LEED v4 Material Resources (MR) credit for Building Product Disclosure and Optimization EPD has 2 options. IFS Coatings EPDs apply to option 1. Using IFS high performance coatings on the project will contribute to a point.



Credit	MR: Building product disclosure and optimization – Environmental product declarations Option 1
Project Type	All types
Total Points	1
Requirements	Use at least 20 different permanently installed products sourced from at least 5 different manufacturers that meet one of the product disclosure criteria
Calculation	IFS Coatings EPD, a product-specific EPD with third-party certification and external verification, counts for 1 whole point

How is LEED v4 different?

In relation to coatings, there are now two key differences

- **Usage:** Within the Materials and Resources (MR) section, instead of saying a product is good or bad based on only one attribute, e.g. recycled content, LEED enables project teams to better understand how to optimize environmental, social and health impacts and the various tradeoffs.
- **Transparency:** Environmental product declarations address how products are made, their material ingredients, and who makes them.

By providing this information, manufacturers with EPDs allow design professionals to better evaluate the products they are choosing.

Make the environmentally responsible choice with IFS high performance organic coatings.

The full IFS architectural range of high performance coatings achieved an EPD. Available in a huge range of colors, metallics and micas, textures and special effects, these hard working architectural products offer the ultimate in long term protection and decoration.

Architectural coating	EPD	Product type	Use	AAMA specification	Warranty
IFS 500FP	YES	Fluoropolymer	Exterior – building envelope, windows, doors, monumental, high value residential etc.	Meets and exceeds the performance requirements of AAMA 2605	20 years*
IFS 400SD	YES	Super Durable Polyester	Exterior – commercial storefront, low rise multi story, windows etc. Interior – applications where high performance weathering is required for interiors	Meets and exceeds the performance requirements of AAMA 2604	10 years*
IFS 300SP	YES	Standard Polyester	All metal interior applications Exterior – low value residential, fixtures, fittings etc.	Meets and exceeds the performance requirements of AAMA 2603	N/A

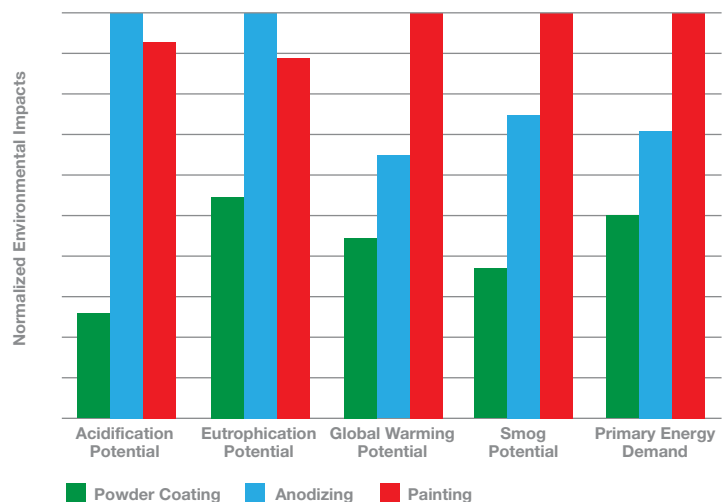
* When applied by a certified applicator to architectural aluminum

Compare competing coatings

IFS high performance architectural coatings offer design professionals an environmentally responsible choice, while still ensuring the very top levels of performance and beautiful aesthetics. Competing finishes may be similar in terms of performance, weatherability and durability, but there is **NO comparison** when it comes to environmental footprint. Check out the chart opposite taken from a LEED EPD. No explanation needed.

For more information visit <http://www.usgbc.org/organizations/frontier-aluminum-corp>

Overall LCA Results - Gate-to-Gate Comparison of finishing techniques



Talk to your IFS representative for more information on IFS Coatings - the environmentally responsible choice:

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