



IFS PureClad

Stronger • Safer • Better



IFS PureClad

Intro

With the launch of the **PureClad** family of powder coating technologies, IFS Coatings has prepared the path to deliver a stronger, safer, better finishing solution for non-metallic substrates like engineered and natural wood materials.

Historically, powder coating these “alternative” substrates has been a difficult proposition. **PureClad** changes that, with game-changing chemistry which, together with advances in application and cure system technologies, have solved the challenging riddle of powder coating alternative substrates. Following significant investment in technology development, fueled by the expertise and dedication of our Research and Development team, IFS Coatings is proud to introduce **PureClad**, the unparalleled solution for powder coating... beyond metal.

Performance

The **PureClad** range offers a choice of low, fast cure powder chemistries that deliver outstanding finish performance. The product line includes grades designed for excellent physical properties (such as adhesion, crack, chip and mar resistance), outdoor durability, and antimicrobial properties; all available in an array of aesthetic possibilities. With all of these options, **PureClad** finishes add meaningful value and distinction to products that consumers will appreciate.

PureClad also comes with substantial benefits for manufacturers and coaters. Increased productivity, improved quality, reduced waste and (with the elimination of VOC's) a safer, more pleasant working environment. Unlike many powder coatings designed for low temperature cure, **PureClad** powders exhibit excellent storage stability, and can be safely stored at room temperatures. They are also easy to apply, and with excellent flow properties, deliver a consistent, beautiful finish. The cure process, which takes as little as 4 minutes at only 265°F in a catalytic IR cure oven, is sufficiently low to use with standard grades of MDF, as well as many natural wood species. This fast, low-cure cure process not only means improvements to throughput, but also a relatively small footprint for the coating line due to shorter oven length needed. What's more, for many applications, one layer of **PureClad** powder is sufficient to provide specified protection and aesthetic requirements. The process of coating and curing is completed quickly - in only about 7-10 minutes – an extremely favorable comparison to liquid paints, which most often require multiple layers that must be cured and sanded before the next layer can be applied.

Tough, flexible, hard working coatings are important and the table below indicates just some of the excellent performance benefits **PureClad** brings to a piece.

Performance	Aesthetics	Application
Resistant to cracking & peeling ✓	Wide range of colors ✓	Fast, low temperature cure ✓
Outdoor durability ✓	Gloss/effect options ✓	Minimal waste ✓
Chip & Mar resistance ✓	Textures available ✓	Safe for People & the Environment ✓
Available with anti-microbial properties ✓		Cost Effective, Robust Processing ✓



Products

PureClad FFT

PureClad FFT delivers advanced powder flow for beautiful, superior smooth finishes. **IFS PureClad FFT** also demonstrates excellent flexibility to accommodate the tendency of wood-based substrates to shrink and swell in environments with variations in temperature and humidity, such as kitchens and bathrooms.

PureClad X

PureClad X is a quality, performance driven range of weather-resistant powder coatings for outdoor environments.

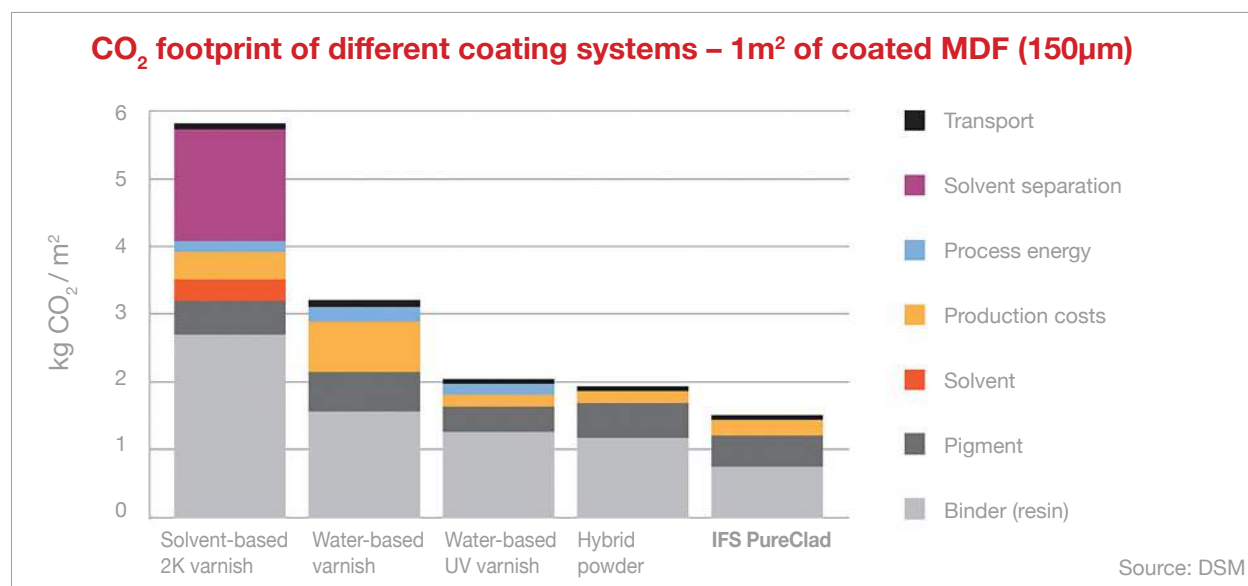
Applications

PureClad powder coatings can be used on a wide array of end use applications, such as cabinetry, furniture, residential cladding, moldings, and wood/fiberglass doors.

The Environmentally Responsible Choice

Our commitment to deliver the environmentally responsible choice is clear – it's part of our mission and part of what we do every day.

PureClad powders are an environmentally friendly coating solution for alternative substrates which come with no harmful VOC emissions, reduced process waste through recycling of overspray, reduced energy consumption through faster, lower temperature cure requirements, all with the lowest carbon footprint of any industrial finishing technology. No hazardous waste is created in either the manufacturing or application of **PureClad** finishes, which also contain no California Proposition 65 listed components.



Color Choice

PureClad powders can be formulated in most any conceivable color, from semi-matte to full gloss finishes, with a variety of textures and effects that other finishing options simply cannot offer. The aesthetic options available provide designers and consumers with an unparalleled array of options to appeal to individual styles and preferences; and, along with the performance of **PureClad** finishes, provides a potential mechanism for manufacturers to differentiate their products from the competition.

Unparalleled Service

Apart from excellent technical performance, benchmark environmental footprint, and aesthetic options, **PureClad** comes with the unparalleled service that distinguishes IFS Coatings from the pack. At the heart of everything we do, unparalleled service comes as standard. Our customer focused, solution forward team will make sure you have the support you need to realize all of the benefits that **PureClad** powders have to offer. Responsiveness, expertise, reliability and customization are the pillars that define our mission, and relentless commitment to helping our customers to succeed.



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Pictures are representative only.

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