

Interpon[®]
powder coatings

EVERY COLOR IS GREEN

Sustainable Powder Coatings

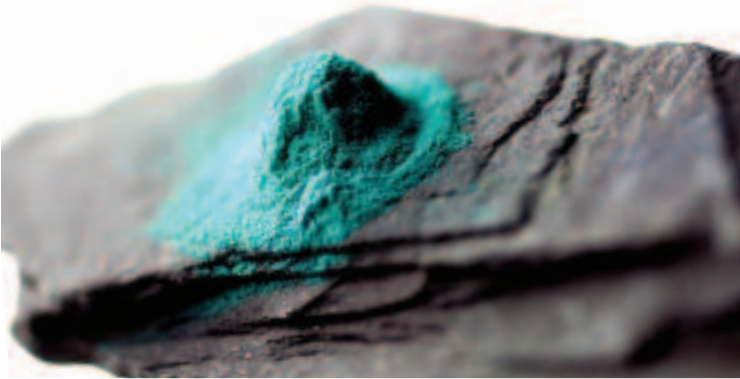


AkzoNobel



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powder coatings

EVERY COLOR IS GREEN



Interpon Powder Coatings - Every Color Is Green.

As part of the world's biggest coatings company, at AkzoNobel Powder Coatings we are proud of our commitment to sustainable and environmentally friendly products and technology. It's a serious commitment, and our objective is to remain in the top three in the Dow Jones Sustainability Index.

Working together for a greener future.

It's a continuous process – we are working closely with all our stakeholders towards a sustainable future. We are constantly sourcing more sustainable and renewable raw materials and energy resources from our suppliers. What's more, we are focusing significant R&D efforts on reducing future energy requirements at every stage of the process. We also recognize that our customers have tough sustainability objectives and we are working closely with them to provide a sustainable alternative in order to meet these targets.



So why is Every Color Green? Quite simply:

- * There are no Volatile Organic Compounds (VOC's) in Interpon Powder Coatings.
- * There are no toxic heavy metals such as lead or chromium (VI) in Interpon Powder Coatings.
- * There is almost no waste when using Interpon Powder Coatings as any overspray can be reclaimed and recycled or reprocessed.
- * Interpon Powder Coatings offer durable protection, reducing the need for replacement products or coatings.
- * Many of our powders have a lower ecological footprint than competing products.



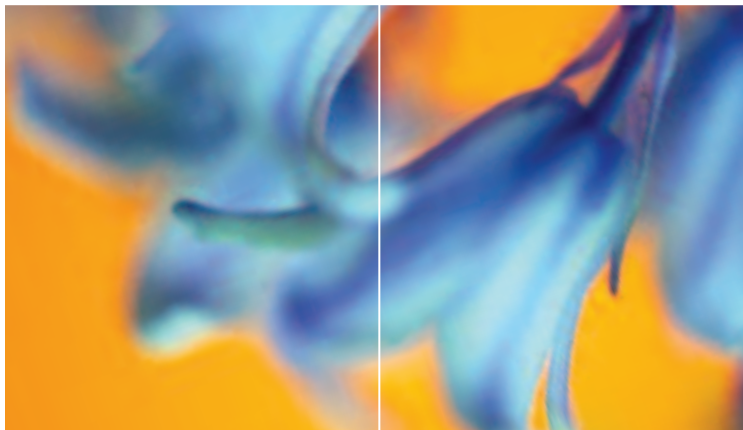


Constant Evolution

The Interpon Powder Coatings range is always evolving. Our R&D efforts for both products and processes are driven by sustainability and energy efficiency.

Our powders based on Particle Management Technology (PMT) boast all the benefits of a standard powder coating as well as:

- * Reduced film build and therefore less natural resources consumption (such as raw materials, energy).
- * Superior flow and levelling compared to conventional powder.



Saving Energy, Lowering Cost.

We also supply Interpon Powder Coatings which can be cured at significantly lower temperatures – our ‘Low Temperature Cure’ range - meaning yet another energy saving, as well as reduced CO₂ emissions.

We are developing ‘dry on dry’ technologies which reduce the overall curing time of multiple coatings. This exciting development allows two layers to be cured together resulting in less time in the oven, therefore reducing energy bills.

Proven Sustainability

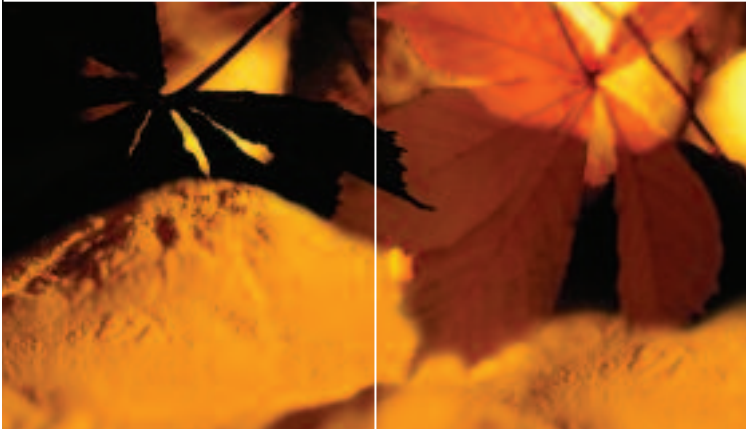
Our ecological footprint has been recognized as among the lowest in the coatings industry. But it doesn't stop there. We use ecological efficiency analyses (EEA's) to reconfirm for both ourselves and our customers that powder is a sustainable coatings material.

Take all of these environmental advantages, our desire to continually improve and combine with a rainbow of colors and it's clear: with Interpon Powder Coatings Every Color Is Green.



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Building a green future

100% of Interpon architectural powders are eco premium solutions

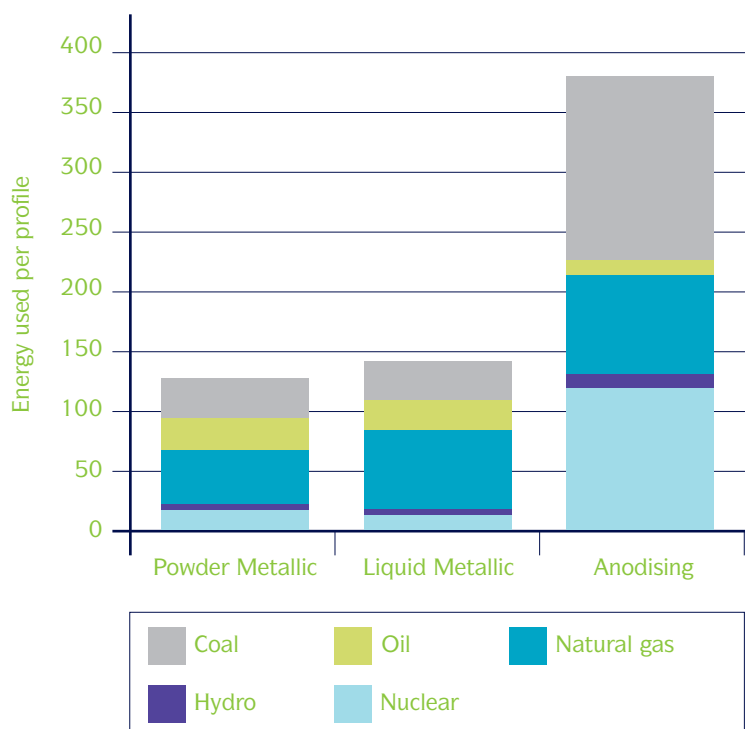
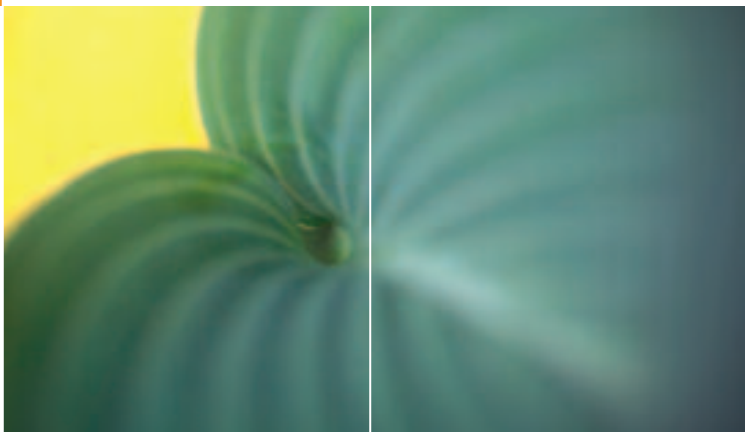
This is based on a strict assessment along the entire value chain by the Department of Sustainable Development of AkzoNobel Technology & Engineering.

Analysing architectural coatings

An eco-efficiency analysis (EEA) compares products, processes, technologies etc. in order to provide a basis for a decision. EEA takes into account the environmental impacts as well as the direct and indirect economic consequences of the alternatives, along the entire supply chain from extraction of raw materials to waste handling.

EEA on aluminium finishing has shown that the major environmental impact occurs during application.

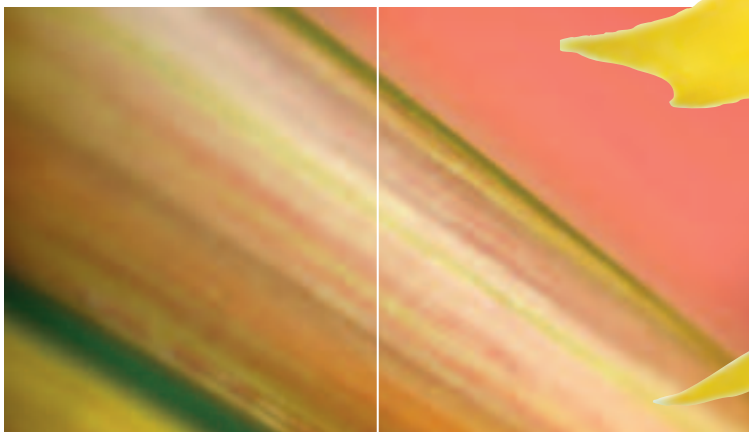
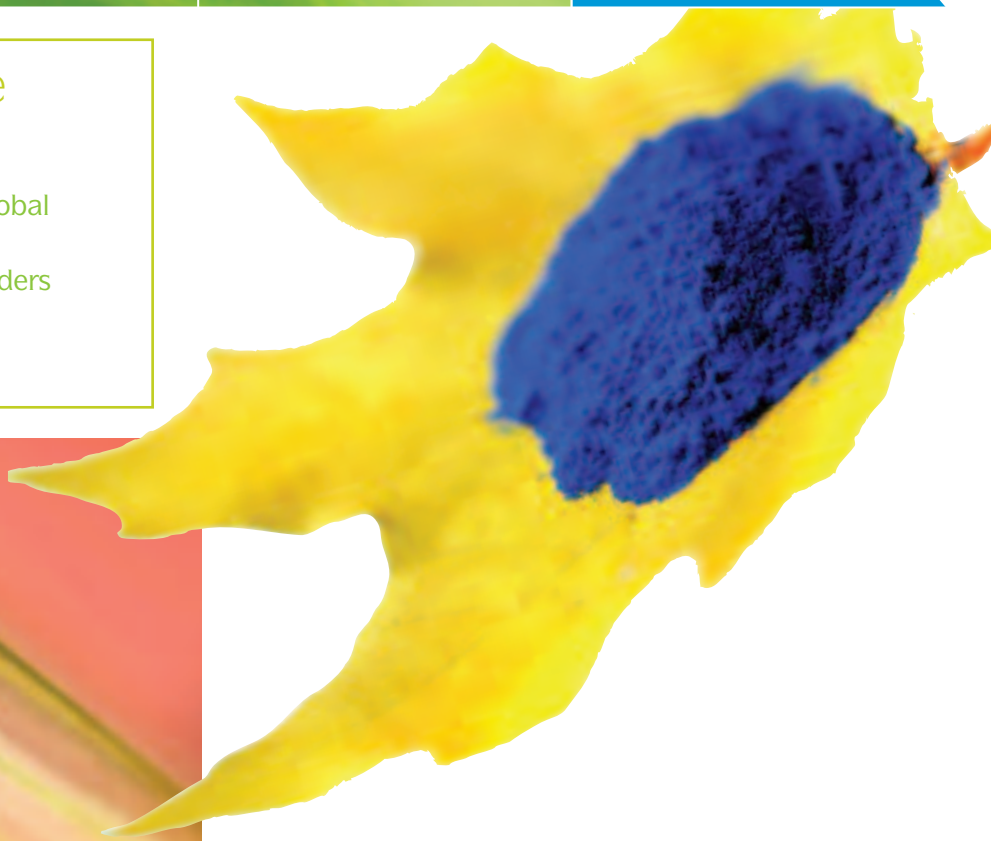
In a USA study (differing energy mixes affect the results by country, but the trend was similar in a 4 country study) shown below, energy consumption per aluminium profile was much higher for anodising than for either coating process. And of course, unlike liquid coatings, powder benefits from zero VOC's.





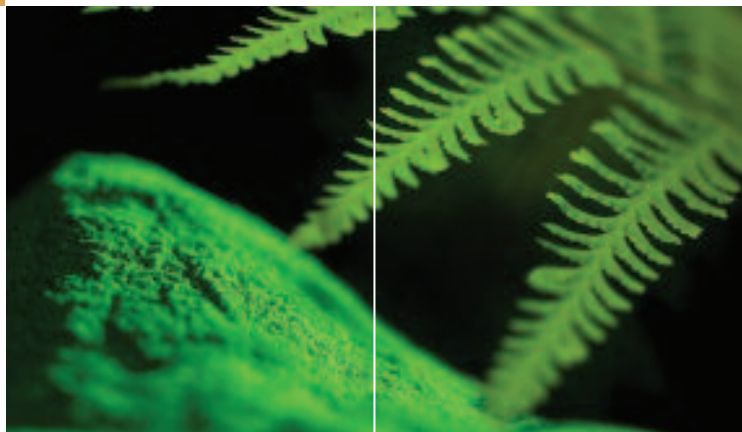
Furnishing a sustainable global market

In the competitive furniture market, global companies such as Ikea recognize the sustainability benefits of Interpon Powders and use them to support their own sustainable credentials.



The driving force in environmental automotive coatings

Chrysler realized a huge saving on their Dodge tu-tone truck by introducing Interpon Powder Coatings dry on dry system. After the first three months on-line, this groundbreaking Automotive OEM is provisionally estimating that the cost savings made by the use of AkzoNobel's dry-on-dry technology will amount to more than six times the cost of the powder basecoat.

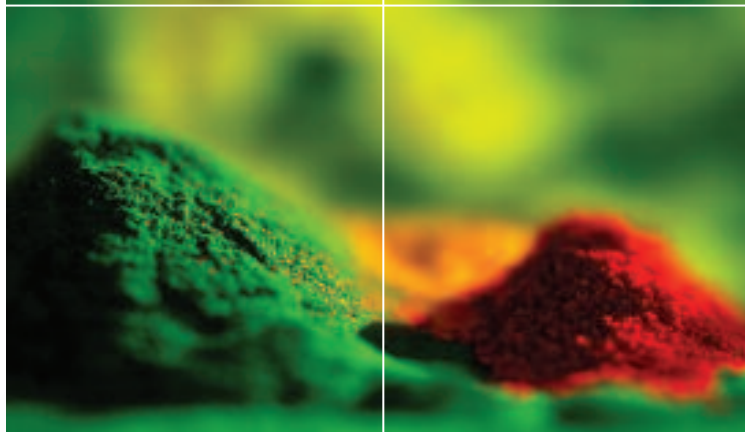
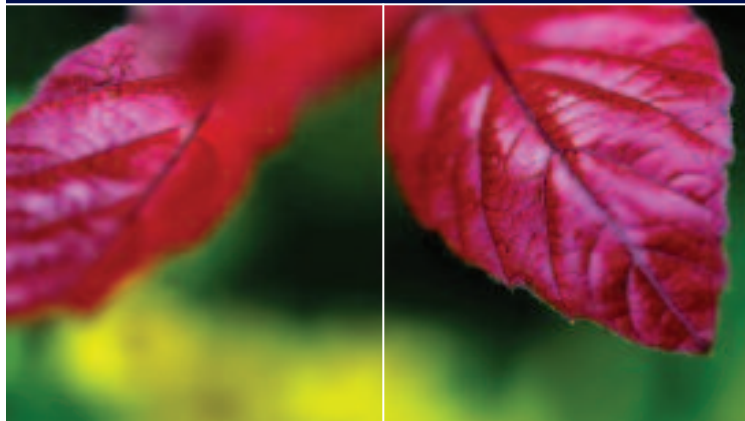


Energy saving innovation

Tata Motors evaluated a powder mono coat system and saved 40% on their energy costs. Production time was cut from five to only three hours, fewer spray booths were needed and less resources required. What's more this change contributed to reducing CO₂ levels too.

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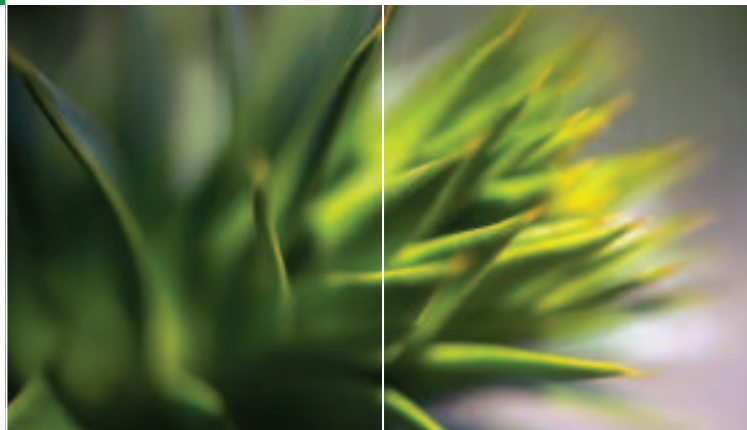


Domestic bliss

Global washing machine manufacturers have been able to completely remove liquid solvents and VOCs from their coatings by using a two coat powder metallic effect system.

What are you saving?

By switching to a more sustainable coating option, you can save natural resources (raw materials and money), CO₂ and of course money.



Cool savings

A leading Chinese refrigerator brand, have realized around a 12.5% saving by switching to Interpon AF.



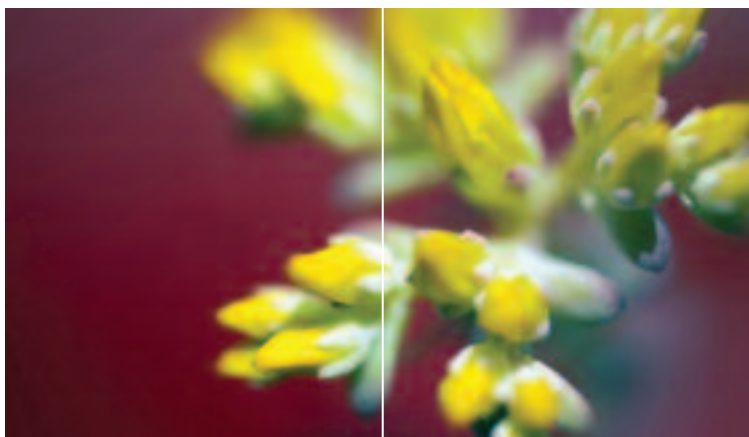
PMT leading the way

A major retail shelving manufacturer has enjoyed around a 20% saving from using Interpon powders based around Particle Management Technology.

What's more, they are working with AkzoNobel technical support and have installed the new onLINE Coating Control system available in Europe, to realize further savings.

Experts in efficiency

Global office furniture giant Haworth have recognised tremendous savings by switching to Interpon and benefiting from AkzoNobel's Technical Service Teams expertise in improved application techniques.



PMT gets the green light

The largest European lighting manufacturer have invested in Particle Management Technology and realized a minimum 10% saving as a result.



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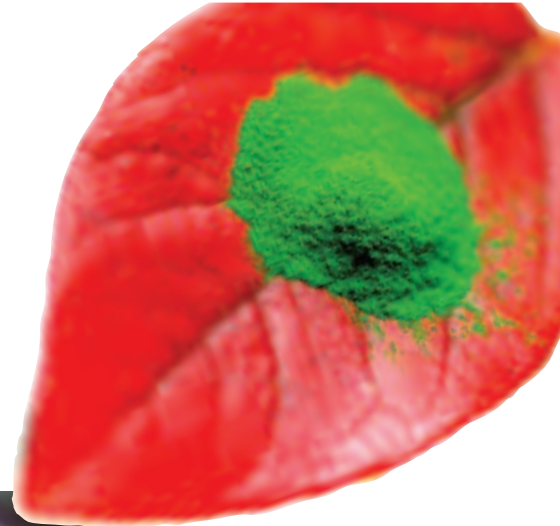
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AkzoNobel Powder Coatings.

As part of AkzoNobel, the world's largest coatings company, we have over 25 manufacturing plants worldwide and sales operations in more than 50 countries. Drawing on over 30 years' experience, and as world leader in powder coatings, we are committed to the highest possible standards of quality in all aspects of our business and are uniquely placed to meet the needs of our customers locally and globally. What's more, the environmental benefits of Interpon Powder Coatings are far reaching. With Interpon Powder Coatings - Every Color Is Green.



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