Sustainability in AkzoNobel Powder Coatings
Every Color Is Green

We are proud of our commitment to sustainable and environmentally friendly products and technology.

It’s a serious commitment, and we’ve clearly stated our objective to remain in the top three in the Dow Jones Sustainability Index.
It’s a continuous process

We are working closely with all our stakeholders towards a sustainable future.

We are constantly seeking greener, more sustainable and renewable materials and resources from our suppliers.
Working together

We also recognise that our customers have tough sustainability objectives and we are working closely with them to provide a sustainable alternative in order to meet those targets.
What is so special about Powder Coatings?

• 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.
What is so special about Powder Coatings?

• We have secured ISO 9001 which illustrates exemplary measures have been taken to ensure a quality product is supplied to the market.

• We developed a patented process – particle managed technology (PMT) - that results in an average 50% conservation of materials.
What is so special about Powder Coatings?

• There is almost no waste (reclamation ~96%) when carefully using our Powder Coatings as any overspray can be recycled and/or reused.

• Our products offer durable protection, reducing the need for replacement products or coatings.
Are powder coatings as durable as or even more durable than liquid?

Yes powder is at least as durable as liquid. It has to meet the same specifications.

<table>
<thead>
<tr>
<th>Weathering Test - Florida</th>
<th>Specification</th>
<th>Available Products</th>
<th>Available AN Products</th>
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<tbody>
<tr>
<td>10 Years</td>
<td>AAMA 2605</td>
<td>PVDF liquid</td>
<td>Trinar</td>
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<tr>
<td></td>
<td></td>
<td>Fluoropolymer powder</td>
<td>Interpon D3000</td>
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<tr>
<td>5 Years</td>
<td>AAMA 2604</td>
<td>Polyester powder</td>
<td>Interpon D2000</td>
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<tr>
<td>1 Year</td>
<td>AAMA 2603</td>
<td>Polyester powder</td>
<td>Interpon D1000</td>
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R&D driven by sustainability & 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 (such as raw materials, energy) consumption

• Superior flow and levelling compared to conventional powder
Low Temperature Cure

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.
‘Dry on dry’ technology

We are developing ‘dry on dry’ technologies which reduce the overall curing time of multiple coatings.

2 layers cured = less time in the oven = reduced energy bills & less CO2
Low carbon footprint

Our carbon footprint is 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.
To the future…

• In 2011 we have already exceeded our 2015 33% target of all products labeled as Eco Premium Solutions.

• 35% of all products sold are currently Eco-Premium.

• 100% of Interpon Architectural, Furniture and ACE powders are Eco-Premium.
August 2011 - AkzoNobel Powder Coatings was awarded SMaRT Sustainable Platinum certification

AkzoNobel Powder Coatings is the first coatings company to achieve a SMaRT certification

Sustainable Platinum is the highest level a company can achieve
01 Architectural Powder Coatings
Eco Efficiency Analyses

*results based on Manufacturing and application in USA
Eco efficient solution for the Chinese architectural market

Tomorrow's Answers Today (TAT) 2010 Award winner

Project aimed to educate the end user on coatings standards and the sustainable nature of the powder coatings, engineering the product to meet the “Green” standard, providing a “One Team” approach to deliver fastest response time, and offering a product + service package to close the deal.

A subsequent 8% increase in architectural sales was realized.
Powder Coatings for Furniture
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.
Experts in efficiency

Global office furniture giant Hayworth have recognised tremendous savings by switching to Interpon and benefiting from AkzoNobel’s Technical Service Teams expertise in improved application techniques.
Automotive Powder Coatings
Tata Motors – energy saving innovation

Tata saved 40% energy costs by a switch to coat one layer of product only
Domestic Appliance Powder Coatings
Domestic bliss

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

A leading Chinese refrigerator brand have realised around a 12% saving by switching to Interpon AF
Particle Management Technology (PMT)
PMT gets the green light

The largest European lighting manufacturer has invested in Particle Management Technology and realised a minimum 10% saving as a result.
A **major retail shelving manufacturer** enjoyed a 20% saving by using Interpon powders based on PMT.
Every Color IS Green

Take all of these environmental advantages, our desire to continually improve and combine with a rainbow of colors and it’s clear:

With Interpon and Resicoat Powder Coatings Every Color Is Green