

## Powder Coatings for Architectural Design





# World Leader in Powder Coatings



AkzoNobel has a passion for paint. We're experts in the proud craft of making paints and coatings, setting the standard in color and protection since 1792.

We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable solutions for our customers.

## Quality

Our top quality products are designed to protect and decorate the world all around us.

## Reliability

We are the global color experts, active in over 150 countries delivering the high-performance products and services our customers expect.

## Responsibility

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

## Results

The result of our effort is a uniform, durable, high quality, environmentally safe and attractive finish.

## Mission to help you

Our pleasure is to help you. We are excited to give you a hand with selecting the best suitable coatings solution for your stunning and unique projects.





[www.vpowdertech.com](http://www.vpowdertech.com)



[www.interpon.com](http://www.interpon.com)



[www.resicoat.com](http://www.resicoat.com)

## Powder Coatings

**Everything you need to decorate your building surfaces and components.**

Structural steel, windows and curtain wall, cladding, roofing and internal and external masonry can all be powder coated. We powder coat everything from stadiums and cars to window frames, radiators, laptops, kitchen appliances, metal furniture, wood and glass.

We're the largest global manufacturer of powder coatings and a world leader in powder coatings technology.



[www.polycell.com](http://www.polycell.com)



[www.trimetal.com](http://www.trimetal.com)



[www.duluxtradepaintexpert.co.uk](http://www.duluxtradepaintexpert.co.uk)



[www.flexa.com](http://www.flexa.com)



[www.hammerite.com](http://www.hammerite.com)



[www.dulux.com](http://www.dulux.com)



[www.lesonal.com](http://www.lesonal.com)



[www.sadolin.com](http://www.sadolin.com)



[www.sikkens.com](http://www.sikkens.com)

## Decorative Paints

**Our Decorative Paints business has a huge range of quality products for every situation and surface.**

Whether our customers are professional decorators or DIY enthusiasts, they still want paint that gives a great finish.

AkzoNobel is the world's leading decorative paint company, home to famous names like Sikkens, Dulux and Hammerite.



[www.interlux.com](http://www.interlux.com)



[www.devoe.com](http://www.devoe.com)



[www.awlgrip.com](http://www.awlgrip.com)



[www.chartek.com](http://www.chartek.com)



[www.relest.com](http://www.relest.com)



[www.international.com](http://www.international.com)

## Protective Coatings

**Supertankers. Gorgeous Bridges. World landmarks. They're all protected by AkzoNobel.**

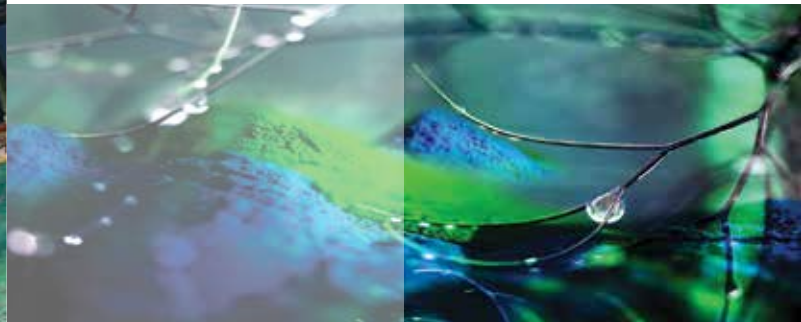
We also supply protective coatings for bridges and buildings, including some major world landmarks.

Next time you visit the London Eye, Sydney Harbour Bridge or the Beijing Olympic Aquatic Center, you'll know we're helping to protect them.





# Sustainability



## Powder coatings can reduce the environmental impact of any project

- Optimized application - no release of volatile organic compounds (VOCs) into the atmosphere during application
- Environmentally friendly - no toxic heavy metals (lead pigments, chromium, etc.)
- Almost no waste – any overspray can be reclaimed and recycled or reprocessed

## Our Values

We know only too well that our future hinges on our ability to do radically more while using less.

We are determined to turn what is an obvious challenge into a clear opportunity, and by working closely with suppliers and customers, we can achieve excellence in environmental responsibility.

## Our Powder Coatings Offer

- Top quality finishes in a wide color range
- Durable protection, reducing the need for replacement
- Lower ecological footprint than competing products
- AkzoNobel is the first powder coating company to receive an Environmental Product Declaration
- No TGIC (triglycidyl isocyanurate - a cross linker used as a curing agent in the past)
- Single coat application
- Superior weatherability – our powders have been benchmarked in Florida, USA, a region of high UV radiation, ocean humidity and varying temperatures.

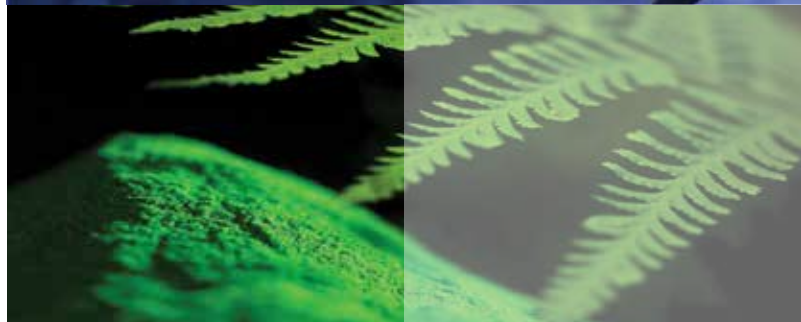
## Maintenance & Cleaning Recommendations

Cleaning is necessary to protect the coatings against air pollution and weather change as well as for extension of shade and gloss stability.

During a building's conception the designer can choose a façade coating with proven durability which in turn reduces building maintenance costs.

## Main factors affecting cleaning costs

- Environment / Pollution levels
- Type of material used on façade
- Cleaning intervals
- Total size of surface to be cleaned



## Recommended cleaning intervals depending on environment and climate

Climate		Temperate and Arid			Tropical		
Environment		D1000 Series	D2000 Series	D3000 Series	D1000 Series	D2000 Series	D3000 Series
<b>Normal - C3 Inland</b>		12 months	18 months	24 months	9 months	15 months	18 months
<b>Marine - C4 Coastal</b>	2000 to 5000m from coastline	12 months	18 months	24 months	9 months	15 months	18 months
	500 to 2000m from coastline	6 months	9 months	12 months	6 months	6 months	9 months
	50 to 500m from coastline	3 months	6 months	9 months	3 months	3 months	3 months
	Less than 50m from coastline	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
<b>Industrial - C5I</b>	2000 to 5000m from source of population	12 months	18 months	24 months	9 months	15 months	18 months
	500 to 2000m from source of population	6 months	9 months	12 months	6 months	6 months	9 months
	50 to 500m from source of population	3 months	6 months	9 months	3 months	3 months	6 months
	Less than 50m from source of population	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended
<b>Swimming Pool</b>	Greater than 2m from edge of pool	3 months	3 months	3 months	3 months	3 months	3 months
	2m from edge of pool	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended	Not recommended

Coatings Type	Building type			
	Residential	Commercial	Skyscrapers	Interior
<b>Polyurethane</b> Liquid Coatings	★ ★ ★	★ ★		★ ★ ★
<b>D1000</b> Powder Coatings	★ ★ ★	★ ★		★ ★ ★
<b>D2000</b> Powder Coatings		★ ★ ★	★ ★	★ ★ ★
<b>D3000</b> Powder Coatings		★ ★ ★	★ ★ ★	
<b>PVDF</b> Liquid Coatings		★ ★ ★	★ ★ ★	

Coatings Type	Performance						
	Weather stability	Color Range	Layers	Environmentally Friendly	Maintenance cost after 10 years	Total costs after 10 years	Guarantee Film / Decoration in years
<b>Polyurethane</b> Liquid Coatings	★	★ ★ ★	1	★	184 €/m <sup>2</sup>	191 €/m <sup>2</sup>	20/10 years
<b>D1000</b> Powder Coatings	★	★ ★ ★	1	★ ★ ★	180 €/m <sup>2</sup>	190 €/m <sup>2</sup>	15/10 years
<b>D2000</b> Powder Coatings	★ ★	★ ★	1	★ ★ ★	142 €/m <sup>2</sup>	152 €/m <sup>2</sup>	25/15 years
<b>D3000</b> Powder Coatings	★ ★ ★	★	1	★ ★	108 €/m <sup>2</sup>	123 €/m <sup>2</sup>	30/20 years
<b>PVDF</b> Liquid Coatings	★ ★ ★	★	2 - 4		108 €/m <sup>2</sup>	191 €/m <sup>2</sup>	25/20 years

Maintenance costs = cleaning costs \* recommended frequency of cleaning of each product  
 Total costs = (costs for coatings + costs for application) + (cleaning costs \* recommended frequency of cleaning of each product)  
 Calculated cleaning costs: 4 €/m<sup>2</sup>; Calculated Costs for application: 8 €/m<sup>2</sup>

Legend:  not recommended    ★ moderate    ★ ★ good    ★ ★ ★ excellent



# Track Record on 5 Continents

**Project:** AAMI Park, Rugby League  
Melbourne, Australia  
**Product:** Interpon D2525

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**Project:** Tour Elithis, Dijon, France  
**Coated part:** Heat Shield  
**Product:** Interpon D1036

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**Project:** Acropolis, Athens, Greece  
**Coated part:** Lights & Doors  
**Product:** Interpon D1036

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**Project:** The Icon St Kilda,  
Melbourne, Australia  
**Product:** Interpon D2015

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**Project:** Onassis House of  
Letters and Arts,  
Athens, Greece  
**Product:** Interpon D1036 & D2525

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**Project:** Trump Towers,  
Istanbul, Turkey  
**Product:** Interpon D2525

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**Project:** Museum of Islamic Art,  
Doha, Qatar  
**Coated part:** Curtain Walls & Panels  
**Product:** Interpon D1036

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**Project:** Lloyds Register, London, UK  
**Coated part:** Curtain Walls  
**Product:** Interpon D2525

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**Project:** Solaris, Riga, Latvia  
**Coated part:** Curtain Walls  
**Product:** Interpon D1036

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# Experience over 40+ Years



**Project:** The Sage (Concert Venue),  
Gateshead, UK  
**Coated part:** AL Profiles  
**Product:** Interpon D1036



**Project:** BB Centrum, Prague,  
Czech Republic  
**Product:** Interpon D1036



**Project:** Jinan Olympic Center,  
Jinan, China  
**Product:** Interpon D2015



**Project:** Le Lagon, Tignes, France  
**Coated part:** Aluminum Profiles  
**Product:** Interpon D1036



**Project:** Tour First (La Défense),  
Paris, France  
**Coated part:** Curtain Walls  
**Product:** Interpon D2525



**Project:** Center Pompidou,  
Paris, France  
**Product:** Interpon D1034



**Project:** National Stadium  
(Bird's Nest), Beijing, China  
**Product:** Interpon D34



**Project:** Esentai Park,  
Almaty, Kazakhstan  
**Product:** Interpon D2525



**Project:** Shanghai World  
Financial Center,  
Shanghai, China  
**Product:** Interpon D1010

# Interpon D

Powder Coatings for Architecture

Interpon D is the powder coatings range for architects, offering a comprehensive range of high quality powder coatings which meet all international quality and architectural standards

With over 40 years experience in architectural coatings, **AkzoNobel** helps to protect and enhance some of the most prestigious architectural projects in the world.

Our products come with strong guarantees and provide a professional coating solution for any requirement or environment. Durability and great appearance, that's what our architectural products offer and we are extremely proud of our range of **Interpon D** architectural products, which help protect and decorate structures the world over.







# Guarantee 15 years

# Series D1000



## Standard Durable Coatings

Product: **Interpon D1036/D1025**

## Product Description:

Range of standard durability architectural powder coatings:  
Façade powder coatings based on polyester technology  
TGIC-free, recommended for normal ambient conditions  
or in the interior.

## Performance:

Qualicoat class 1, GSB Standard and AAMA 2603  
1 year Florida test

## Recommended End Use:

Common indoor and outdoor

## Guarantee:

15 years on film integrity  
10 years on appearance

**Project:** Veles e Ventos,  
Valencia, Spain  
**Coated:** Windows & Doors  
**Product:** **Interpon D1036**



**Project:** Business Technology  
Park Chodov, Prague,  
Czech Republic  
**Product:** **Interpon D1036**

# Guarantee 25 years

# Series D2000



## Superdurable Coatings

Product: **Interpon D2525**

## Product Description:

Series with superdurability: Façade powder coating based on polyester TGIC-free technology, recommended for use in harsh outdoor conditions.

## Performance:

Qualicoat class 2, GSB Master and AAMA 2604  
5 years Florida test

## Recommended End Use:

Adverse external conditions / prestigious buildings

## Guarantee:

25 years on film integrity  
15 years on appearance'



**Project:** Casa Confetti,  
Utrecht, Holland  
(pictured above)

**Coated:** Curtain Wall  
**Product:** **Interpon D2525**

**Project:** National Aquatics Center,  
The Watercube  
Beijing, China

**Coated:** Corridor doors and  
windows

**Product:** **Interpon D2015**

# Guarantee 30 years Series D3000



## Hyper Durable Coatings

Product: **Interpon D3020**

## Product Description:

This system uses innovative fluorocarbon polymers in order to guarantee maximum durability in outdoor environments.

## Performance:

Qualicoat class 3, GSB Premium and AAMA2605  
10 years Florida test

## Recommended End Use:

Extreme outdoor conditions

## Guarantee:

30 years on film integrity  
20 years on appearance



**Project:** Guangzhou Pearl River Tower, Guangzhou, China (pictured above)  
**Coated:** Aluminum Extrusions/Ceiling  
**Product:** **Interpon D3000**

**Project:** Richmond City Hall, Virginia, USA  
**Coated:** Aluminum Panels  
**Product:** **Interpon D3000**



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Powder Coatings by AkzoNobel



## AkzoNobel - Powder Coatings

As the world's leading powder coatings company, we have over 25 manufacturing plants worldwide and sales operations in more than 70 countries.

Drawing on over 40 years' experience, 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. Furthermore, the environmental benefits of powder coatings are far reaching. Choose the sustainable option, choose Interpon powder coatings.



### Environmental Production Declaration

An EPD® is a certified Eco-footprint;  
our commitment to sustainability.



Interpon objects available in several languages;  
[www.polantis.com/akzonobel](http://www.polantis.com/akzonobel)



### Download our app

AkzoNobel Design app has  
been created especially for use by  
architects, specifiers and designers.



Visit our website: [www.interpon.com](http://www.interpon.com)  
or speak to your local representative

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