



**Interpon<sup>®</sup>**  
POWDER COATINGS

 **Automotive**

## Containers

Heavy duty protection  
for goods in transit

We're driving the current  
**to power your future**

**AkzoNobel**



## Containers

# Protecting containers from the outside in

Heavy duty industrial containers protect goods in transit as they are shipped all over the world. But the containers themselves also need protecting, which is where Interpon powder coatings from AkzoNobel can help.

Interpon powder coatings deliver heavy duty protection for both the insides and the outside of the container from the potentially damaging effects of the weather and the environment.

They protect the exterior of a container on a long journey or in storage from exposure to the UV rays of the baking sun and the corrosive powers of the freezing rain and the salt from the sea in line with ISO 12944. Additionally, they protect the container's interior with powder coatings approved by the relevant application standards.

AkzoNobel Powder Coatings has more than five decades of experience in corrosion protection across all industrial sectors, and in developing products that are more sustainable in their application, helping manufacturers and their customers not only to protect their precious cargo, but also our precious world.

## Leading benefits

### The sustainable choice

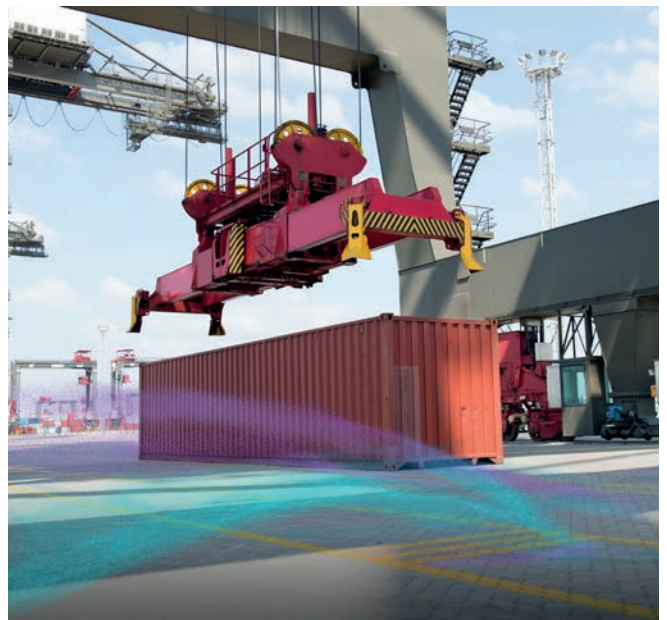
Our powder coatings come free of Volatile Organic Compounds (VOCs) and solvents, and produce less waste in their application since any overspray can be captured and reused. The range also enhances the longevity of the products it protects, helping to protect natural resources and reduce emissions by creating products that are built to last.

### Partnership

With our global footprint, customers can benefit from our ability to deliver consistency in product and service worldwide through a global network of manufacturing sites and technical support teams to optimize your processes and performance.

### Product performance

We have a comprehensive range of powder coating solutions that are easy to apply for a right-first-time finish of consistent quality that minimizes the risk of re-works and optimizes your coating line performance. Our products are tested to internationally recognized standards as your guarantee of quality.



# Comprehensive product range

## Primers

### Interpon Redox Active

**Interpon Redox Active** is a powder primer with active anticorrosive pigments that cause a passivation effect to protect the substrate. It has been formulated to offer the best adhesion for the topcoat – powder or liquid.

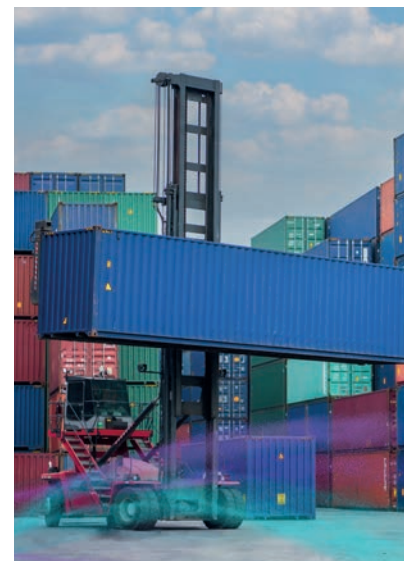
This versatile and zinc-free primer offers robust protection, even with varying thickness levels of the substrate within one project. It can be formulated in different colors to approach the color of the topcoat and be used as a holding primer for up to six weeks. And because it is easy to apply, offers excellent edge coverage, and allows a wide curing window, this system is especially suitable for complex objects or shapes.



CORROSION PROTECTION

#### Characteristics and advantages

- Robust corrosion protection performance up to seven years in corrosivity level C5 for steel
- Ease of application on complex objects
- Suitable for objects with varying levels of substrate thickness
- Performs well across a variety of curing schedules
- Provides excellent edge coverage
- Designed for use with chemical and mechanical pre-treatment
- Can be used as holding primer for up to six weeks
- Available in a broad variety of colors
- Compatible with a wide range of topcoats
- VOC-free, solvent-free and zinc-free



### Interpon Redox Plus

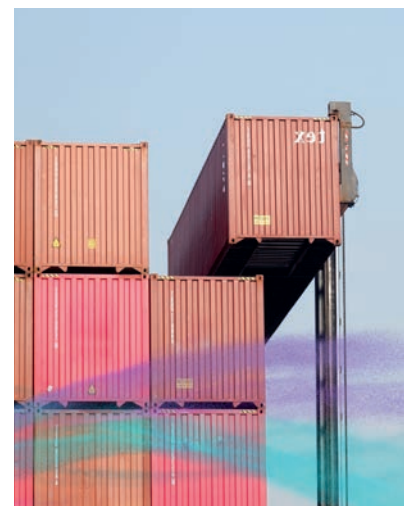
This barrier-effect powder coating can be used on multiple substrates, and on surfaces with chemical or mechanical pre-treatment. The two-layer system comprises a pure epoxy primer and a topcoat (powder or liquid) to deliver greater protection against corrosion and rust (up to level C5). Easy to apply and with a smooth finish, **Interpon Redox Plus** has a high resistance to damage and is available for use on both porous and non-porous metal substrates.



CORROSION PROTECTION

#### Characteristics and advantages

- Strong protection against corrosion and rust, up to C5 level
- Extra tough and durable – high resistance to damage
- Ease of application; spray as conventional powder coatings
- System available for both porous and non-porous metal surfaces
- Designed for use with chemical and mechanical pre-treatment
- Can be used as a holding primer
- Compatible with a wide range of topcoats
- Offers a smooth finish to different substrates
- VOC-free, solvent-free and zinc-free



## Interpon Redox PZ

Compatible with a range of topcoats, **Interpon Redox PZ** is the best performing powder coating for corrosion protection over blasted steel. It combines a barrier effect primer with long lasting cathodic protection, a cost-effective combination for products that are either submerged or above ground and uses a unique blend of zincs ensures the highest level of conductivity to create cathodic cells that protect the metal substrate. Moreover, the aesthetic, defect-free finish provides a significantly better-quality finish than other metal zinc protection systems.



### Characteristics and advantages

- Excellent performance and corrosion prevention up to C5 environments
- Best performing powder primer for corrosion protection over blasted steel
- Aesthetic, defect-free finish, particularly in comparison to other metal zinc protection such as galvanizing or zinc metal spraying
- Designed for use with mechanical pre-treatment
- Compatible with a wide range of topcoats
- VOC-free, solvent-free



## Topcoat

### Interpon A5300

**Interpon A5300** is a series of polyester-based powder coatings designed to give surfaces high levels of durability, weatherability and color stability in challenging exterior environments. Interpon A5300 is available in a wide range of colors in gloss, satin, matt finishes, which can be custom matched to the user's specification.

All our Interpon powder coating systems and solutions can be tailored to a customer's specific requirements with the support of our Technical Services team.



# Deciding features

## Corrosion protection

There are multiple variables that influence the speed of corrosion, such as the material of a product or vehicle and the environment in which it is located and operated, above and below ground. By adjusting to different levels of corrosion and lifetime expectations, however, our Interpon Redox primers are able to meet each product's specific protection requirements and application limitations.

\* Redox primer combinations were performed in both accelerated corrosion tests in the laboratory and in a natural corrosion environment in Europe. These tests are conducted in extreme coastal environments over several years to provide customers with effective corrosion protection based on real data.

## Substrate and pre-treatment

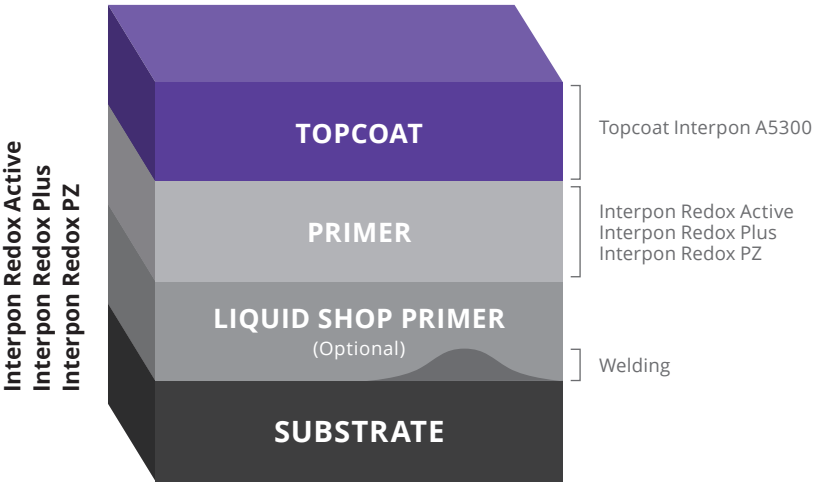
		Interpon Redox Active	Interpon Redox Plus	Interpon Redox PZ
Features	Pre-Treatment			
Steel	Chemical	✓	✓	
	Mechanical	✓	✓	✓
HDG Steel	Chemical		✓	
	Mechanical		✓	
Zintec	Chemical		✓	
	Mechanical		✓	
Stainless steel	Mechanical		✓	
Aluminium	Chemical	✓	✓	

## Mechanical pre-treatment

	C1	C2	C3	C4	C5
Interpon Redox Active			H	M	L
Interpon Redox Plus				H	M
Interpon Redox PZ				H	M

\* Based on the ISO 12944-2018 standard for corrosivity categories.

## Paint systems





## AkzoNobel

Since 1792, we've been supplying the innovative paints and coatings that help to color people's lives and protect what matters most. Our world class portfolio of brands – including International, Sikkens and Interpon – is trusted by customers around the globe. We're active in more than 150 countries and use our expertise to sustain and enhance everyday life. Because we believe every surface is an opportunity. It's what you'd expect from a pioneering and long-established paints company that's dedicated to providing sustainable solutions and preserving the best of what we have today – while creating an even better tomorrow. Let's paint the future together.

For more information please visit [www.akzonobel.com](http://www.akzonobel.com).

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### Interpon App

Our Interpon App opens the door to all you need to know about Interpon powder coatings.

 **Automotive**

We're driving the current  
to power your future