

AkzoNobel Powder Coatings

Interpon[®]
POWDER COATINGS

Switch to Powder Coatings: Boost Performance
and Sustainability in Container Industry

AkzoNobel



Interpon®



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AkzoNobel

AkzoNobel Powder Coatings at a glance *

Interpon®

- **€1.3bn** revenue
- Headquartered in Amsterdam, The Netherlands
- Present in over **70 countries** worldwide
- **31** manufacturing sites in **20** countries
- Powder Technology Centers in North America, Asia and Europe
- **>4000** people
- **>30,000** customers worldwide



What are powder coatings?

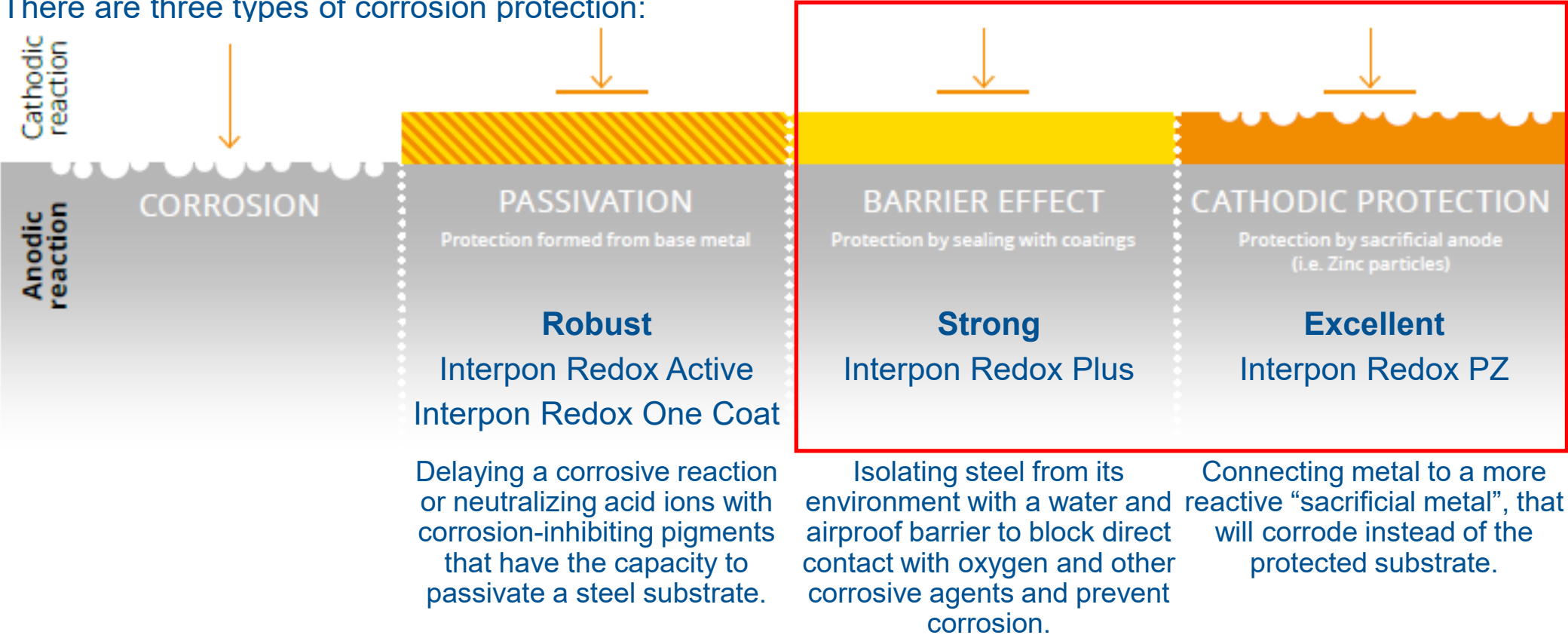
- A **powder coating** is both a decorative and protective finish that is **highly durable** and more **sustainable** than its liquid counterparts.
- A powder coating comprises a polymer resin combined with curating agents, pigments and other additives that are mixed into a powder.
- The powder is applied to a surface using a spray gun that **applies an electrostatic charge to the powder particles**, which are then attracted to the part of the substrate which is grounded. Parts are then **'cured' in an oven** where the coating chemically reacts with the heat to produce trough molecular chains, resulting in **high cross-link density**.
- New innovations from Interpon are enabling powder coatings to be **applied not only to metal but also plastics, wood, and other heat sensitive substrates** (HSS), proving that the best can always be better.



Protecting high-performance assets in harsh environments

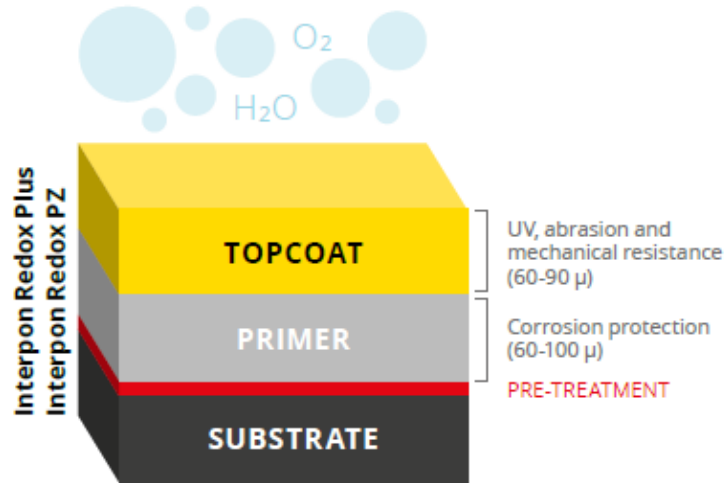
When products need to perform safely and reliably in corrosive environments, you need to protect both their function and their exterior. We are convinced that the best solution to do so is a powder system comprising of a primer plus topcoat.

There are three types of corrosion protection:



Multi-layered protection

Our powder systems are layered to offer the highest level of protection



Mechanical pre-treatment

C1

C2

C3

C4

C5

Interpon Redox Plus

				H		M	
Interpon Redox PZ				H		M	

Durability ranges based on the ISO 12944:2018 standard

- Low (L) Up to 7 years
- Medium (M) 7 to 15 years
- High (H) 15 to 25 years

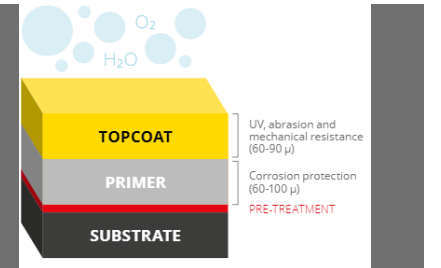
Interpon Redox Plus

Characteristics and advantages

STRONG

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).

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- **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**

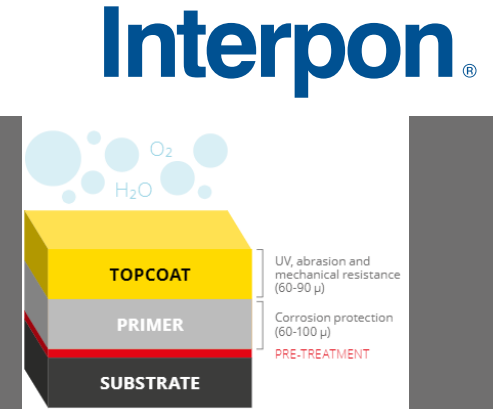


Interpon Redox PZ

Characteristics and advantages

EXCELLENT

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.



- 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**



Interpon F polyester topcoat

Characteristics and advantages

Interpon®

Interpon F2505

STANDARD

Interpon F2505 is a series of polyester based powder coatings with standard durability, not containing TGIC. It is designed for the exterior environment with high anti-weathering requirement and can offer 5 years powder warranty on UV durability providing good weather resistance and color stability.

Interpon F2510

SUPER

Interpon F2510 is a series of polyester based powder coatings with high durability, not containing TGIC. It is designed for the exterior environment with high anti-weathering requirement and can offer 10 years powder warranty on UV durability providing excellent weather resistance and color stability.



Why use AkzoNobel powder coatings?

Interpon®

The advantages of an Interpon powder coating can be realized through the **product performance**; its **sustainability**; and the **process** by which the powder is applied.

Sustainability



- Interpon powder coatings come in a huge variety of colors and finishes and are free of Volatile Organic Compounds (VOCs) and create minimal waste which means they are better for the environment. New low-cure processes are further improving how powder coatings can support a more sustainable economy.

Better product performance



- Through their extremely durable qualities they deliver longer-lasting performance, keeping the consistency and integrity of the color for longer, and being highly resistant to chips, scratches and general wear and tear. They can also protect against corrosion and rust, and provide better edge coverage and a more even coat than their liquid counterparts.

Faster and easier process



- They are also very easy to apply, often in a single application, accelerating processing times and improving production volumes, while reducing energy consumption and cost.

Join the powder revolution

Choose Interpon

Interpon®



Our people, our expertise



Our unique global footprint



True sustainability



Ceaseless innovation



Meaningful partnership

AkzoNobel

Thank you

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Questions?