



**Interpon**<sup>®</sup>

POWDER COATINGS

⚙️ **Industrial**

# Interpon W

Without limits

**Interpon.** Your Personal Best.

**AkzoNobel**

# Interpon W Without limits

Installation view of Kengo Kuma, Kengo Kuma Associates and Geoffrey Nees Botanical Pavilion, 2020 on display in NGV Triennial 2020 from 19 December, 2020 - 18 April 2021 at NGV International, Melbourne  
© Kengo Kuma and Geoffrey Nees  
Photo: Earl Carter Photography, Project Support, Vridl, Ballarat, Victoria

Backed by a history of innovation and a constant desire to create, we've launched a new range of powder coatings for heat sensitive substrates.

Whether it's scratch resistance for domestic and office furniture; water, humidity, heat or chemical resistance for bathrooms and kitchens; or durability for indoor/outdoor building and construction equipment, Interpon W is helping you imagine, design and transform some of the most challenging heat-sensitive substrates in ways that have not been possible before.

And with a comprehensive range of vibrant colors and imaginative finishes to choose from, and a simple application process, you can differentiate your products from the mainstream and deliver the ultimate in stylish protection.

We're removing limits on what you can create, the powder coatings available, and the materials you can coat. And we're not just protecting products, we're protecting futures and environments.

## Substrates we cover

Powder coatings have been long admired for the performance, protection and style they provide to metals. But heat sensitive substrates, those that bend or deteriorate when subjected to the same high temperatures previously required for curing, have been more of a challenge. Now though, thanks to new, innovative technologies, substrates can be coated and cured in minutes. These include MDF, plywood, beech wood, veneered MDF, plasterboard, hardwood (wood composite), melamine, honeycomb MDF, heat sensitive metal doors, and particle board.



**OSB**



**PLYWOOD**



**BEECH WOOD**



**HARDWOOD**



**MDF**



**PLASTERBOARD**



**MELAMINE**



**VENEERED MDF**



**HONEYCOMB MDF**



**HEAT SENSITIVE  
METAL DOORS**

## Leading benefits

### Better by design

With Interpon W, even the most challenging shapes, from the concave and convex to the curved and complex, are provided with a seamless finish and protection against chemicals and scratches. And with a comprehensive range of vibrant colors and imaginative finishes to choose from, and a simple application process, you can differentiate your products from the mainstream and realize significant efficiency gains in the production process.

### Sustainability as a standard

With Interpon, regulatory compliance and environmental performance come as standard. Our powder coatings contain zero Volatile Organic Compounds (VOC) which makes them better for the environment, and better for you and your workforce.

### Interpon. Easy does it.

As a global leader with a local presence, we can support you through the decision-making and implementation process. Through our Safe and Easy process, we will train your people, ensure a smooth transition and help you achieve a faster return on investment.

### Benefits beyond physical attraction

Because the process ensures consistent coverage, density and finish, the time spent on reworking or fine-tuning the finished product is virtually removed, and a higher volume of products approved right first time. This not only reduces the cost per unit but also maximizes staff productivity.

## Comprehensive product range

### Interpon W Core

Making use of the various technologies – including epoxy, epoxy-polyesters and pure polyesters – Interpon W Core is a range of Ultra Low Bake products designed to give MDF, including veneered and honeycomb MDF, and HDF high levels of protection and style for both interior and exterior applications.

### Interpon W Flex Pro

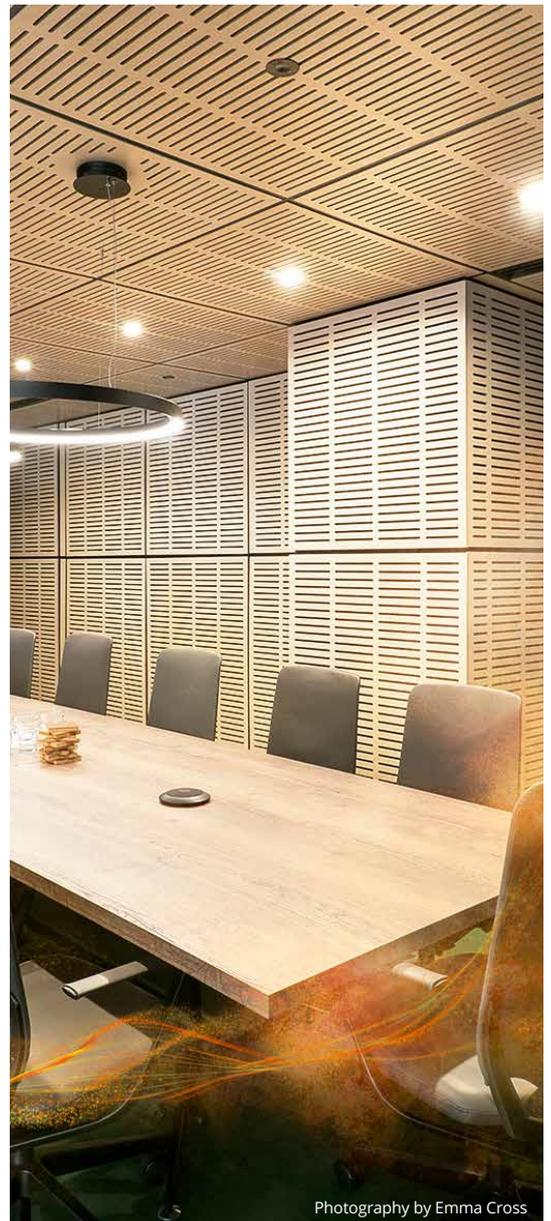
Interpon W Flex Pro is suitable for high-speed thermal curing processes, for either a topcoat or primer. Suitable for MDF, including veneered and honeycomb MDF, HDF, and natural wood such as (e.g. beech wood), the range also offers market-leading features such as anti-yellowing, UV weathering stability and gloss retention, making it the perfect choice for the more challenging interior and exterior applications.

### Interpon W Fast

For those looking for efficiency and performance combined, Interpon W Fast utilizes UV technology, allowing interior and exterior products to be coated in shorter processing times. With an ability to cure at the lowest temperatures, the range can be used on high thermal sensitive materials such as MDF, including veneered and honeycomb MDF, HDF, plywood, OSB, natural wood (e.g. beech wood), heat sensitive metal doors, melamine, composites, minerals based (e.g. plasterboard), and plastic components.

### Interpon W Fast Pro

Interpon W Fast Pro is a UV technology that coats interior and exterior products in shorter processing times and at the lowest temperatures. It also offers market-leading features such as anti-yellowing, UV weathering stability, gloss retention and chemical resistance for a vast range of substrates such as MDF, including veneered and honeycomb MDF, HDF, plywood, OSB, natural wood (e.g. beech wood), heat sensitive metal doors, melamine, composites, minerals based (e.g. plasterboard), and plastic components.

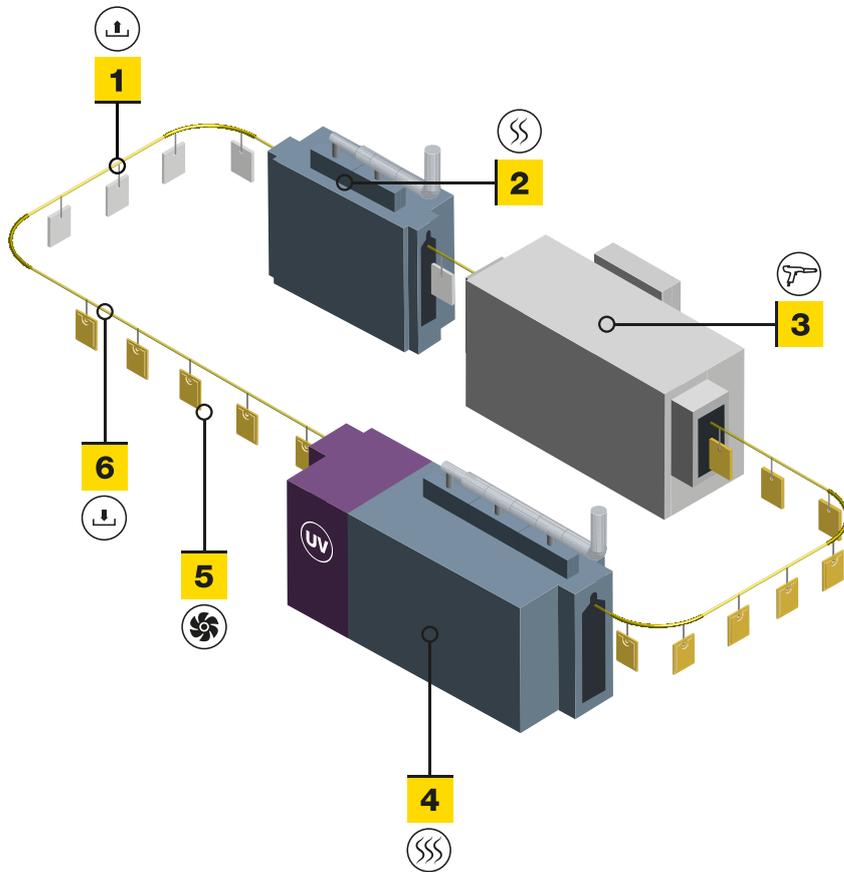


Photography by Emma Cross

# Technologies to transform the market

## How it's done

Interpon W's process is faster, safer and greener than traditional coatings. Every step is outlined below:



### Stage 1 - Loading:

We start by loading objects that need to be coated on the line.

### Stage 2 - Pre-heat:

In this stage, by pre-heating the substrate we activate moisture which makes the surface suitably conductive to attract the powder when it is coated. While this isn't necessary for all materials (e.g metal, as metal is highly conductive and allows the powder to stick to the substrate uniformly), it is required for poor conductors such as wood. For the most challenging substrates, including plastics, a conductive primer is required to allow an even coverage.

### Stage 3 - Spray booth:

The object goes into the spray booth and is sprayed with the powder coating.

### Stage 4 - Melting, flow and cure:

The object is placed into the oven to cure, with temperatures varying between 80°C-140°C. For UV powders, a UV curing section is needed after the main oven.

### Stage 5 - Cooling:

The object is cooled.

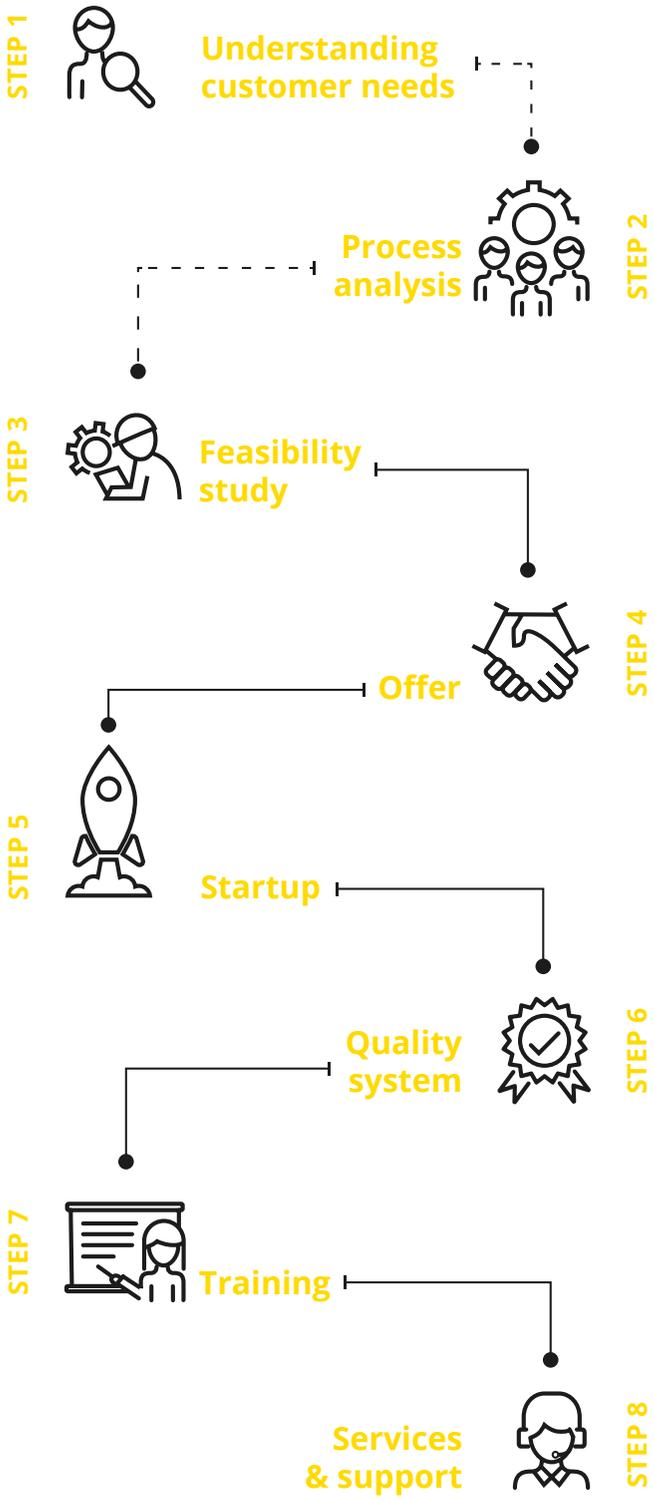
### Stage 6 - Unloading:

The cooled object has chemical, scratch, heat and moisture resistance and is Ready to Ship.



# Safe and Easy process

We know that switching to new technologies can bring uncertainty, which is why our dedicated teams will support you in making the best choice for your business and adding certainty to your future performance. Our Safe and Easy process means identifying the equipment and investment required, as well as the productivity gains and ROI you can expect. It also means training your staff to ensure a smooth transition. Because Interpon is a global leader that thinks locally. We understand the needs of businesses like yours and are able to provide the highest levels of support as you move towards the new technologies that are transforming the way we work.



**Step 1** – Introduction: Before anything else, we get to know you, understanding your business needs and objectives.

**Step 2** – Process analysis: We then undertake a process analysis, gaining an insight into your challenges and opportunities, as well as looking at your costs.

**Step 3** – Feasibility study: At this stage, we start working with the line manufacturer. Your products go through our state-of-the-art test center to show the impact Interpon powder coatings can have on your products as well as to recommend which technology best suits your needs.

**Step 4** – Offer: Working with a powder coating line infrastructure partner to decide the best option, we make a considered recommendation for coating line, paints, portfolio and implementation.

**Step 5** – Startup: Next, we support with the installation of the powder coatings line and supply of the powder formulation

**Step 6** – Quality systems: During this phase, we provide a quality check, specifying quality parameters and what needs to be delivered.

**Step 7** – Training: We assess and deliver staff training and create a standard operations manual.

**Step 8** – Services & support: Our local team will continue to support you, providing process and output data, as well as analysis and continuous process improvement.

We strive to lead our industry by pioneering a world of possibilities by empowering people, reducing our impact on the planet and consistently innovating to deliver the most sustainable solutions for our customers. That's why we call our approach to sustainable business - People. Planet. Paint.

And we're making things easy. Making the complex simple; the ordinary extraordinary. Improving processes; driving efficiency; and creating new winning ways.



## 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.com](http://interpon.com)

# Interpon®

See how Interpon W can help you grow your business and realize new possibilities by speaking to our local expert or contact [interpon.info@akzonobel.com](mailto:interpon.info@akzonobel.com)

**Eco+**

Our **Eco+** products comprise the best performing powder coatings for helping businesses deliver enhanced sustainability through:



**Reduce, reuse, renew**



**Less waste**



**Reduced carbon**



**Longer lasting performance**



**Increased productivity**



**Reduced energy**

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

### Interpon App

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



**Industrial**  
Your Personal Best.