



**Interpon®**

POWDER COATINGS

⚙️ **Industrial**

# Interpon W

Without limits

Installation view of Kengo Kuma, Kengo Kuma Associates and Geoffrey Nee's Botanical pavilion 2020 on display in NGV Triennial 2020 from 19 December 2020 - 18 April 2021 at NGV International, Melbourne © Kengo Kuma and Geoff Nee. Photo: Earl Carter Photography, Project Support: Vindi, Ballarat, Victoria.

**Interpon.** Your Personal Best.

**AkzoNobel**





# Interpon W Limitless Performance

With new technology and ground-breaking innovations, we're creating a new world of opportunity for heat sensitive substrates. We're removing limits on what you can create, the coatings available, and the materials you can coat. With wood, plastic and other materials now able to be designed and transformed in ways that have not been possible before, we're not just protecting products, we're protecting futures and environments.

Whether it's scratch resistance for domestic and office furniture; water, humidity and heat resistance for bathrooms and kitchens; durability for indoor building and construction equipment; or weather, and UV for outdoor building materials, Interpon W powder coatings are providing an environmentally friendly, cost-effective, and process-efficient alternative to existing coating solutions for heat sensitive substrates.

We're making things easy, making the complex simple, and the ordinary extraordinary.

## 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.

### Benefits beyond physical attraction

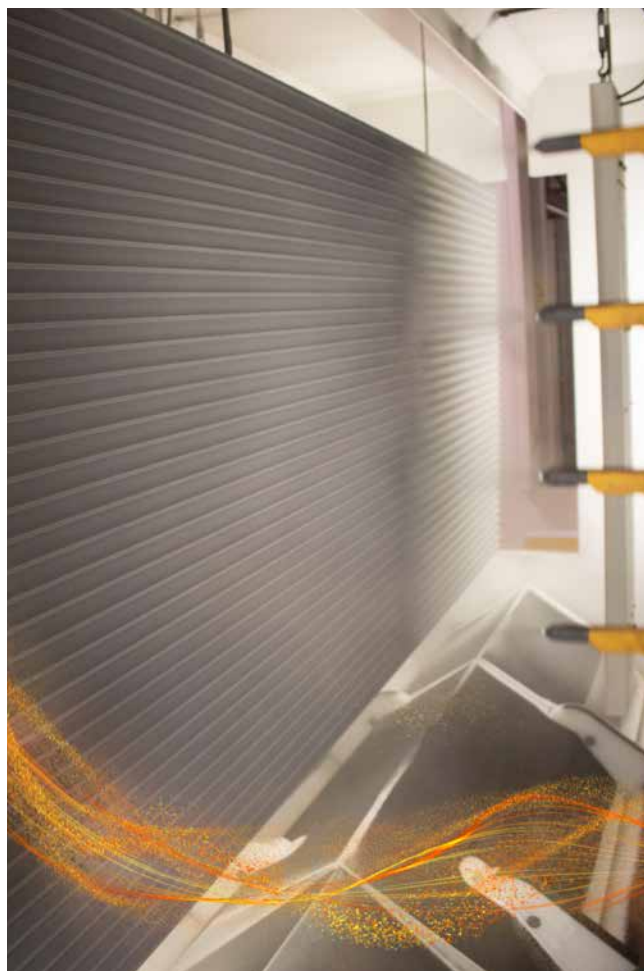
Because the process ensures consistent coverage, density and finish, the time spent on reworking or fine-tuning the finished product is virtually removed, and a higher volume of products approved right first time. This not only reduces the cost per unit but also maximizes staff productivity.

### 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.



## Comprehensive product range



### Interpon W Core

This range of ultra low bake powder coatings is especially designed for HSS such as Medium-Density Fiberboard (MDF) or some composite materials. Making use of the various technologies – including epoxy, epoxy-polyesters and pure polyesters – Interpon W Core is a range of ultra low bake (ULB) products for interior and exterior applications. With all products available as a topcoat or primer, and a selection of finishes to choose from, Core is designed to give products high levels of protection and style.



### Interpon W Flex Pro

Interpon W Flex Pro is a range of radical cure low bake powder coatings designed for challenging interior and exterior applications. Especially designed for heat sensitive substrates such as natural wood, MDF, plywood, OSB or some composite materials, Interpon W Flex Pro is suitable for high-speed thermal curing processes, for either a topcoat or primer. 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

Utilizing UV technology, Interpon W Fast allows interior and exterior products to be coated in shorter processing times and at lower temperatures. Interpon W Fast is, therefore, ideal for high thermal sensitive materials and substrates, such as natural wood, MDF, plywood, OSB, outdoor durable MDF, outdoor plastic composites, marine grade plywood and heat sensitive metal components. And with anti-yellowing, UV weathering stability and gloss retention features, the range is perfect for those looking for efficiency and performance combined.



### Interpon W Fast Pro

An indoor/outdoor durable UV powder coating that provides high processing speed for the most challenging applications. Along with anti-yellowing, UV weathering stability and gloss retention, Interpon W Fast Pro provides outstanding chemical resistance and smoothness, properties which can only be attained at low temperature curing thanks to the use of semi-crystalline resins. And as substrates with the greatest heat sensitivity can be cured at the lowest temperatures and in the fastest time, the range provides the ideal solution when time is of the essence.

### Interpon W – substrate suitability

All Interpon W products can be applied to different heat sensitive substrates. Our premium ranges can be used at lower curing temperatures and have faster process speed, enabling them to be used on extremely sensitive substrates.

	Interpon W Core	Interpon W Flex Pro	Interpon W Fast	Interpon W Fast Pro
MDF incl veneered and honeycomb MDF	✓	✓	✓	✓
HDF	✓	✓	✓	✓
Plywood		✓	✓	✓
OSB		✓	✓	✓
Natural Wood (e.g. Beech wood)		✓	✓	✓
Composites			✓	✓
Mineral based (e.g. Plaster Board)			✓	✓
Heat sensitive metal doors			✓	
Melamine			✓	✓
Plastic components			✓	✓

### Interpon W topcoats

The Interpon W topcoats offer heat sensitive substrates the ultimate protection against abrasion, scratching, chemicals and heat. They also deliver on style thanks to unique colors, textures and finishes, such as silky satin smooth, piano gloss or dead matt. And with bespoke solutions available for more challenging tasks, Interpon W topcoats are providing the stylish protection you need, no matter the challenge.

	Interpon W Core W2000	Interpon W Flex Pro W4000/W4500	Interpon W Fast W6000/W6500	Interpon W Fast Pro W7000
Finish options				
Color	No limitations	No limitations	No limitations	No limitations
Gloss	Matt, Satin	Matt, Satin, Gloss	Matt, Satin, Gloss	Matt, Satin, Gloss
Finish	Texture	Texture, Smooth	Texture, Smooth	Texture, (Super) Smooth
Properties				
Curing Temp	130 – 140°C (266 – 284°F)	120 – 130°C (248 – 266°F)	80 – 120°C (176 – 248°F)	80 – 120°C (176 – 248°F)
Curing Time	6-8 mins	3-5 mins	2-5 mins	2-5 mins
Curing method	Thermoset	Thermoset	UV	UV
Chemical resistance DIN 68861, part1	1C	1B	1A	1A
Abrasion resistance DIN 68861, part2	2C	2B	2B	2B
Scratch resistance DIN 68861, part4	4D	4B	4B	4B
Dry Heat resistance DIN 68861, part7	100°C (212°F) / 7C	100°C (212°F) / 7B	100°C (212°F) / 7A	100°C (212°F) / 7A
Wet heat resistance ISO 6272	70°C (158°F) / 8B	70°C (158°F) / 8A	70°C (158°F) / 8A	70°C (158°F) / 8A
Indoor / Outdoor	Indoor	Indoor / Outdoor	Indoor / Outdoor	Indoor/Outdoor
Food contact approval	No	No	Yes	Yes



Interpon W primers

Interpon W provides a full range of primers for heat sensitive substrates, delivering excellent edge coverage, sandability and compatibility with powder or liquid topcoats for a first-class performance. And with bespoke solutions also available, Interpon W primers are able to meet even the most advanced challenges.

	Interpon W Core W100	Interpon W Flex Pro W400	Interpon W Fast W700
Curing Temp	120 - 135°C (248 – 275°F)	120-130°C (248 – 266°F)	80-120°C (176 – 248°F)
Curing Time	5-8 mins	3-5 mins	2-5 mins
Curing method	Thermoset	Thermoset	UV
Sandability	Average	Good	Excellent
Sanding method suitability	Manual / Automated	Manual / Automated	Manual / Automated
Topcoat suitability	Powder	Powder & Liquid	Powder & Liquid
3S suitability	Yes	Yes	Yes
Edge priming	Yes	Yes	No

Deciding features

Features	Customer benefits
Broad range of powder solutions	One stop shop for all type of Heat Sensitive Substrates (HSS) requirements
Liquid / Powder combinations	Flexible according to your needs Benefit from process efficiencies of Interpon W, even if you're still using liquid coatings
Wide range of premium finish possibilities with Interpon W:	
3S (patented) Satin Silky Smooth finish	Create premium finishes that are normally difficult to achieve with powder coatings for HSS
Piano Gloss	
Dead Matt	
Sublimation	Give basic substrates such as MDF the appearance of premium materials like natural wood, marble or carbon Improve substrate protection High gloss appearance
Dedicated technical service centers	Customer reassurance in selecting right process and powder product
Safe & Easy approach	Support customer in cap-ex decision making for powder line equipment Staff training provided
Worldwide network of coating line manufacturers	Streamlining coating process with complete turnkey solutions Ensured functional fit between coating line and selected powder coating
Low cure technology	Reduce energy consumption and enhance your sustainability credentials with lower curing temperatures.



## 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®

**Interpon W** powder coatings deliver the choice of technologies and performance characteristics you need to meet any challenge in the world for heat sensitive substrates. To find out more, reach out to a member of our expert team 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.