

# Product Datasheet



BU Powder Coatings

## Interpon EC

**AkzoNobel**  
Tomorrow's Answers Today

<b>Product Description</b>	<p><b>Interpon EC</b> is a high quality powder formulated to have excellent anti-graffiti and stain resistance properties with good aesthetic appearance.</p> <p><b>Interpon EC</b> is suitable for outdoor use and architectural applications. Aerosol paints can be easily removed using xylene, acetone or trichloroethylene.</p> <p><b>Interpon EC</b> is available in a range of colours and as a transparent clear and can be custom matched to user's requirements.</p>		
<b>Powder Properties</b>	<b>Chemical type</b>	Reinforced Polyurethane	
	<b>Particle Size</b>	Suitable for electrostatic spray	
	<b>Gloss</b>	Gloss & Semi-gloss	
	<b>Specific gravity</b>	1.2-1.9 g/cm <sup>3</sup> (depending on colour)	
	<b>Storage</b>	Dry cool conditions below 25°C	
	<b>Shelf life</b>	6 months	
	<b>Stoving schedule</b> (object temperature)	20 minutes at 190°C 15 minutes at 200°C	
<b>Test Conditions</b>	<p>The results shown below are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.</p>		
	<b>Substrate</b>	Mechanical tests: 0.6mm degreased steel Chemical tests: 0.6mm Zn/Mn phoshated steel	
	<b>Film Thickness</b>	60 - 70 microns	
	<b>Stoving</b>	20 minutes at 190°C (object temperature)	
<b>Mechanical Tests</b>	<b>Adhesion</b>	ISO2409 DIN53151(2mm crosshatch)	Gt 0 Gt 0 >95%
	<b>Erichsen Cupping</b>	ISO1520	>4 mm
	<b>Hardness</b>	ISO15814	2H to 3H
	<b>Impact</b>	ISO/TR6272	Pass 2.5 Joule D/R Pass 25Kg/cm D/R
	<b>Flexibility</b>	ISO1519 (Cylindrical Mandrel) ISO6860 (Conical Mandrel)	Pass 3/16" Pass 3mm
<b>Chemical Tests</b>	<b>Salt Spray</b>	UNI5687/73 (>500 hours)	With creepage from scribe ≤3mm
	<b>Constant Humidity</b>	UNI8744 (>1000 hours)	Without blistering
	<b>Gasoline, Diesel fuel &amp; Ethanol</b>	60 mins @ 25°C	Pass - no blistering or change in appearance
	<b>Xylene, Mobil brake Fluid &amp; Acetone</b>	10 mins @ 25°C	Pass - no blistering, or change in appearance
	<b>Acetone/Ethyl acetate (1:1) &amp; Acetone</b>	100 rubs @ 25°C	Pass - no blistering, or change in appearance
	<b>0.1N Hydrochloric acid &amp; 0.1N Sodium Hydroxide</b>	4 hours @ 60°C	Pass - no blistering or change in appearance

## Anti-graffiti Resistance

<u>Type</u>	<u>Cleaning Fluid</u>
Enamel Spray	A, C, D
Water-based Marker	O
Permanent Marker	A, B, C, D, E
Lipstick	O
Shoe Polish	O

**Key:**

- A 90% denatured alcohol
- B 1:1 mixture of denatured alcohol & detergent
- C Acetone
- D Trichloroethylene
- E Tetrachloroethane
- O Rub with cloth

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## Pretreatment

For more information regarding specific substrates and applications for **Interpon EC** contact AkzoNobel.

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## Application

**Interpon EC** powders can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

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## Safety Precautions

Please consult the Material Safety Datasheet (MSDS)

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### FOR PROFESSIONAL USE ONLY

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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