

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon XTR

#### Product Description

Interpon XTR is a high quality powder designed especially for application as a thin film. Special manufacturing procedures and patented technology ensure that the powder has equivalent aesthetic and physical/chemical properties to a conventional powder, whilst offering significant cost savings. It is compatible\* with standard powder.

Interpon XTR powders are available in a range of chemistry types and colours in gloss and reduced gloss finishes, and are always custom matched to the user's requirements.

#### Powder Properties

<b>Chemical type</b>	Various – dependent on end-use
<b>Particle Size</b>	Suitable for spray application
<b>Specific gravity</b>	1.2 – 1.7 g/cm <sup>3</sup>
<b>Storage</b>	Dry cool conditions below 25°C
<b>Shelf life</b>	12 months
<b>Sales Code</b>	9-series
<b>Stoving schedule</b> (object temperature)	To match users requirements

#### Test Conditions

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.

<b>Substrate</b>	Mechanical Tests: Polished Steel Chemical and Durability Tests: Steel
<b>Pretreatment</b>	Zinc Phosphate
<b>Film Thickness</b>	30 microns
<b>Stoving</b>	6 minutes at 200°C (object temperature)

#### Mechanical Tests

<b>Adhesion</b>	BS EN ISO2409 (2mm Crosshatch)	Gt 0
<b>Erichsen Cupping</b>	ISO1520	Pass >7mm
<b>Hardness</b>	BS EN ISO1518 (2000gms)	Pass - no penetration to substrate
<b>Impact</b>	BS3900-E3	Pass 2.5 joules direct and reverse
<b>Flexibility</b>	Pass 3mm (Conical Mandrel)	

#### Chemical and Durability Tests

<b>Salt Spray</b>	ISO7253 (250 hours)	Pass - no corrosion creep more than 2mm from scribe
<b>Cyclic Humidity</b>	BS3900-F2 (1000 hours)	Pass - no blistering or loss of gloss
<b>Distilled Water Immersion</b>	BS3900-F7 (240 hours)	Pass - no blistering or loss of gloss
<b>Chemical Resistance</b>	Generally excellent resistance to most acids, alkalis and oils at normal temperatures	

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	<b>Exterior Durability</b>	Some chalking after 6-12 months continuous outdoor exposure but less than pure epoxies. Protective properties not impaired
	<b>Colour Stability at elevated temperatures</b>	Good - satisfactory for continuous exposure up 125°C
<b>Pre-treatment</b>	Aluminium, steel or Zintec surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance.  Aluminium substrates may require a chromate conversion coating.	
<b>Application</b>	Interpon XTR 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. Tribostatic versions can also be supplied.	
<b>Safety Precautions</b>	Please consult the Material Safety Datasheet (MSDS)	
<b>*Compatibility</b>	Interpon XTR powders are formulated specifically for the end –user and designed to be compatible with Akzo Nobel non- Interpon XTR equivalents. Compatibility with other powders should be tested prior to application. The full application improvement is only realised if the application equipment is cleaned of conventional powder prior to Interpon XTR going on line.	
<b>Disclaimer</b>	<p><b>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 advices 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.</b></p> <p><b>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel</b></p>	

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