

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon Cr Bright “Chrome Effect” Metallic

#### Product Description

Interpon Cr is a bright, “Chrome Effect” metallic powder coating system. It is a 2 coat system, suitable for interior use, comprising, a metallic basecoat, ZW007G, and a clear powder topcoat, KZ007G or OZ007G.

#### Powder Properties

<b>Chemical type</b>	Consult individual product datasheets
<b>Specific gravity</b>	Consult individual product datasheets
<b>Particle Size</b>	Suitable for Electrostatic Spray
<b>Cure Schedule</b>	Consult individual product datasheets
<b>Storage</b>	Dry cool conditions below 21°C (open boxes must be resealed)
<b>Shelf life</b>	12 months

#### 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>	Gold seal polished steel (mechanical tests) Gold seal lightweight zinc phosphate (chemical and durability tests)
<b>Pretreatment</b>	Polished steel panels (mechanical tests) Lightweight Zinc phosphate steel panels (chemical tests)
<b>Application method</b>	Electrostatic Spray
<b>Cure Schedule</b>	20 minutes at 230°C (ZW007G Basecoat) 10 minutes at 170°C (OZ007G Topcoat) 15 minutes at 175°C (KZ007G Topcoat)
<b>Film Thickness</b>	80-100 microns (Basecoat) 50-80 microns (Topcoat)

#### Mechanical Tests

<b>Impact</b>	ISO 6272	25 kgcm
<b>Adhesion</b>	ISO 2409 (2mm Crosshatch)	Gt 0
<b>Erichsen Cupping</b>	ISO 1520	Pass >7 mm
<b>Pencil hardness (Gouge)</b>	ASTM D3363	3H
<b>Pencil Hardness (Scratch)</b>	ASTM D3363	HB
<b>Gloss (60°)</b>	ISO 2813	300-400
<b>Gloss (20°)</b>	ISO 2813	500-600

#### Chemical and Durability Tests

<b>Salt Spray</b>	ISO 7253 (240 hours)	Pass - no corrosion creep more than 2mm from scribe
<b>Cyclic Humidity</b>	ISO 6270-1 (240 hours)	Pass - no blistering or loss of gloss
<b>ANCI KCMA stain test</b>	No effect after 24 hours exposure to the following materials, Ketchup, Lemon Juice, Coffee, Olive Oil, Red Wine Vinegar, Orange Juice, Grape Juice, Lipstick, Washing Detergent, Mustard (1 hour).	
<b>Exterior durability</b>	Interpon Cr is not suitable for exterior use.	

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**Pre-treatment**

Prior to application of the metallic basecoat, 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.

Do not pass components coated with the metallic basecoat through a pre-treatment system as the high levels of moisture will start to oxidize the exposed metallic pigment.

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**Application**

Interpon Cr can be applied by manual or automatic electrostatic spray equipment. Please refer to the individual product datasheets for information about specific application conditions for each of the coating layers. To achieve the best metallic effect the metallic basecoat, ZW007G, must be fully cured before application of the clear topcoat. The clear topcoat should be applied as soon as possible after the application of the metallic basecoat it is recommended that this is done within 8 hours. The maximum time period between curing of the basecoat and application of the clear coat must not exceed 24 hours. The surface of metallic basecoat should be kept clean, dry and grease free and we recommend the use of clean and lint-free gloves for handling before the clear top coat has been applied.

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**Additional Information**

Interpon Cr has been designed as a 2 coat system containing a metallic powder basecoat (ZW007G) paired to a choice of 2 powder clear coats (KZ007G or OZ007G) to give optimum aesthetic appearance and in service performance. Use of alternative clear coats may result in a reduced metallic effect or system performance. The metallic basecoat, ZW007G, is not for sale or use in the United States of America, its territories or its possessions.

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**Safety Precautions**

Please consult the Material Safety Datasheet (MSDS)

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**Disclaimer**

**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.

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