

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon Cr KZ007G Clear Topcoat

#### Product Description

KZ007G is a polyester based clear powder coating, formulated with the use of TGIC. It is designed as a topcoat for ZW007G as part of the Interpon Cr coating systems. It offers excellent adhesion to the metallic basecoat and a broad range of surface properties as described below.

#### Powder Properties

<b>Type</b>	Polyester TGIC
<b>Specific gravity</b>	1.20 ± 0.05 g/cm <sup>3</sup>
<b>Particle size</b>	suitable for electrostatic spray
<b>Dry film thickness</b>	50–75 microns
<b>Cure schedule (object temperature)</b>	15 minutes at 160°C
<b>Storage conditions</b>	Dry cool conditions below 25°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 steel panels
<b>Pretreatment</b>	B1000 Iron phosphate
<b>Application method</b>	Electrostatic Spray
<b>Cure schedule</b>	15 minutes at 175°C
<b>Dry film thickness</b>	50-75 microns

#### Mechanical Tests

<b>Flexibility</b>	Pass 3 mm	ASTM D522
<b>Adhesion</b> (2mm crosshatch)	GT0	ASTM D3359
<b>Hardness</b> (Scratch)	H	ASTM D3359
<b>Impact</b> (Direct/Reverse)	40/40 kgcm	ASTM D2794

#### Chemical tests

<b>Salt Spray</b> (500 hours)	No corrosion creep >2mm from scribe. No blistering.	ISO 7253
<b>Humidity</b> (1000 hours)	No blistering or loss of gloss	ISO 6270-1
<b>Natural exterior durability</b>	Good – 1 year Florida equivalent	

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## Substrate pre-treatment

When applying as part of an Interpon Cr coating system KZ007G should be applied as soon as possible after the application of the metallic basecoat, ZW007G – the maximum time period between curing of the basecoat and application of the clear coat must not exceed 24 hours. In this case no pre-treatment should be applied to the surface of the ZW007G basecoat.

KZ007G can also be used as a clear coating direct onto metal substrate. For 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.

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## Application

KZ007G can be applied by manual or automatic electrostatic spray equipment. It is recommended that powder film thicknesses be between 50 – 75 microns. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

The gun settings should be adjusted to the re-coat position when applying KZ007G as a part of an Interpon CR coating system.

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## Additional Information

KZ007G is clear powder topcoat for the Interpon Cr coating system. For more information about the complete system please consult the Interpon Cr datasheet.

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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.**

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