

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A4740 CZ003Q / 158C121

#### Product Description

**Interpon A4740** acrylic clearcoat is the OEM standard in the aluminum wheel market. With outstanding application consistency and film performance (approved by all major OEMs) **Interpon A4740** clearcoats are the first choice for wheel makers around the world. **Interpon A4740** acrylic clears combine Class A elegance and OEM specified durability in a super smooth finish with crystal clear transparency.

#### Powder Properties

<b>Chemistry</b>	GMA Acrylic
<b>Area of usage</b>	Wheels clearcoat
<b>Particle size</b>	Custom manufactured
<b>Appearance</b>	Smooth, glossy
<b>Gloss (60°)</b>	> 90 GU
<b>Density (g/cm<sup>3</sup>)</b>	1.15 ± 0.05
<b>Coverage at 1.0 mil</b>	167.2 sq.ft./lb./mil
<b>Storage conditions</b>	≤ 70°F / 21 °C maximum
<b>Shelf life</b>	6 months from production date
<b>Cure schedule</b>	17 minutes at 350°F [time at object temperature]

#### Test Conditions

The results 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>	Aluminum
<b>Pretreatment</b>	Chrome conversion or non-chrome
<b>Film Thickness</b>	2.0 – 4.0 mils
<b>Cure Schedule</b>	17 min at 350°F

#### Mechanical Tests

<b>Adhesion</b>	ASTM D3359	100%
<b>Hardness</b>	ASTM D3363	H min.
<b>Impact (direct)</b>	ASTM D2794	20 inch-lbs
<b>Flexibility</b>	ASTM D522	1/8" mandrel

#### Corrosion Tests

<b>Salt spray</b>	ASTM B117	1000 h, corrosion creep < 3 mm max
<b>Humidity Test</b>	ASTM D2247	240 h, no blistering or loss of gloss

#### Exterior Durability

<b>Natural Testing</b>	48+ months Florida
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#### OEM Approvals

<b>Chrysler</b>	MS-PE-16-2, MS-PA-6-7
<b>General Motors</b>	9985586, GMW14885
<b>Ford Motors</b>	ESA-M2P-109-A2, WSS-M2P-122-C1
<b>Nissan</b>	F-7
<b>BMW</b>	PS05060/GS90011

#### Pre-treatment

Aluminum substrate must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of **Interpon A4740**. OEM aluminum wheels, require a non-chromate conversion coating prior to application of **Interpon A4740** coatings.

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## Application

**Interpon A4740** powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

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## Safety Precautions

This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customers.

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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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