

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A4740 CZ011GF Low Cure

#### Product Description

**Interpon A4740 acrylic clearcoat** is the OEM standard in the aluminium 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>Chemical type</b>	GMA-acrylic
<b>Area of usage</b>	Automotive
<b>Particle Size</b>	Custom manufactured
<b>Appearance</b>	Smooth, glossy
<b>Gloss (60°)</b>	95 ± 5 GU
<b>Density (g/cm<sup>3</sup>)</b>	1,15 ± 0,05
<b>Stoving schedule</b>	20 minutes at 165°C (time at object temperature)
<b>Application</b>	Corona spray application
<b>Storage Stability</b>	Under dry, cool (< 21°C) conditions, at least 4 months from production date

#### 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>	Steel panels, aluminium
<b>Pretreatment</b>	Bonder (LH) Iron phosphate, Bonder (722/W/OF) Chromate
<b>Film Thickness</b>	60 – 80 µm
<b>Cure Schedule</b>	20 minutes at 165°C

#### Mechanical Tests

<b>Adhesion</b>	DIN EN ISO 2409	Gt 0A
<b>Hardness</b>	ASTM D3363	H-H2
<b>Impact</b>	ASTM D 2794	≥ 5 ip (reverse) ≥ 10 ip (direct)

#### Corrosion Tests

<b>CASS Test</b>	GM4476P DIN EN ISO 9227(CASS)	240 h Corrosion creep < 3 mm max. 240h infiltration W <sub>b</sub> > 1mm DIN EN ISO 4628-8
<b>Humidity Test</b>	ASTM D2247 DIN EN ISO6270-2(CH)	240 h No blistering or loss of gloss 240h infiltration W <sub>b</sub> > 1mm DIN EN ISO 4628-8

#### Exterior Durability

<b>Artificial Testing</b>	3000h+KJ Xenon Arc > 90% gloss retention
<b>Artificial Testing</b>	QUV-B test (313 nm) > 50% gloss retention after 2500h
<b>Natural Testing</b>	24 month > 90% gloss retention

#### Pre-treatment

Steel surfaces to be coated must be clean and free from grease. For maximum protection it is essential to pre-treat components prior to the application of **Interpon A4740**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.

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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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