

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A4701 JN051QF

#### Product Description

**Interpon A4701** primers have been formulated to work with a variety of base coats and curing conditions. They offer excellent levelling and smoothness while providing superior corrosion and chip resistance. **Interpon A4701** primers are engineered to minimize outgassing, and they can be applied over a wide range of film thicknesses and application conditions to reduce defects and improve first run quality. They come in customized color or in the standard color white and black.

#### Powder Properties

<b>Chemistry</b>	Polyester TGIC
<b>Area of usage</b>	Wheels primer
<b>Particle size</b>	Custom manufactured
<b>Appearance</b>	Smooth, glossy
<b>Color</b>	Black
<b>Gloss (60°)</b>	>80 GU
<b>Density (g/cm<sup>3</sup>)</b>	1.21 ± 0.05
<b>Coverage at 1.0 mil</b>	158.92 sq.ft./lb./mil
<b>Storage conditions</b>	≤ 80°F / 27 °C maximum
<b>Shelf life</b>	12 months from production date
<b>Cure schedule</b>	15 minutes at 375°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>	Electrocoat, chrome conversion, non-chrome
<b>Film Thickness</b>	2.0 - 4.0 mils
<b>Cure Schedule</b>	15 min at 375°F

#### Mechanical Tests

<b>Adhesion</b>	ASTM D3359	100%
<b>Hardness</b>	ASTM D3363	H-2H
<b>Impact (direct)</b>	ASTM D2794	80 inch-lbs
<b>Impact (reverse)</b>	ASTM D2794	80 inch-lbs
<b>Flexibility</b>	ASTM D522	1/8" mandrel

#### Corrosion Tests

<b>Cass Test</b>	GMW14458	168 hrs Pass
<b>Humidity</b>	ASTM D2247	240 hrs. Pass

#### 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 A4701**. OEM aluminum wheels, require a non-chromate conversion coating prior to application of **Interpon A4701** coatings.

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## Application

**Interpon A4701** 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.

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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.

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