

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4701 PN000D

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.

Powder Properties

| | |
|-----------------------------------|--|
| Chemical type | Polyurethane |
| Area of usage | Wheels |
| Particle Size | Custom manufactured |
| Appearance | Smooth |
| Colour | Black |
| Gloss (60°) | 85 ± 5 GU |
| Density (g/cm³) | 1,25 ± 0,05 |
| Stoving schedule | 20 minutes at 200°C (time at object temperature) |
| Application | electrostatic |
| Storage stability | under dry, cool (< 25°C) conditions, at least 24 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.

| | |
|-----------------------|--|
| Substrate | Steel panels, Aluminium |
| Pretreatment | Bonder (WH/60/OC) iron phosphate, Bonder (722/W/OF) Chromate |
| Film Thickness | 70 µm |
| Cure Schedule | 20 minutes at 200°C |

Mechanical Tests

| | | |
|-------------------------|-----------------|-------------------|
| Adhesion | DIN EN ISO 2409 | Gt 0A |
| Erichsen Cupping | DIN EN ISO 1520 | ≥ 6 mm |
| Impact | ASTM D 2794 | ≥ 10 ip (reverse) |

Corrosion Tests

| | | |
|---------------------------|-------------------|--|
| Neutral Salt Spray | DIN EN ISO 9227 | 240 h corrosion creep < 2 mm from scribe |
| Humidity Test | DIN EN ISO 6270-2 | 240 h no blistering or loss of gloss |

Exterior Durability

| | |
|---------------------------|--|
| Artificial Testing | QUV-B Test > 50% gloss retention after 200 h |
|---------------------------|--|

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 A4701**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.

Application

Interpon A4701 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.

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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