

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4701 FN1004

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	Epoxy-Polyester	
	Area of usage	Wheels	
	Appearance	Smooth, glossy	
	Gloss level (60°)	70 - 95 GU	
	Colour	Black	
	Recommended Film Thickness (µm)	45 – 55 µm	
	Density (g/cm³)	1.5 ± 0.1	
	Application	Electrostatic	
	Storage	Under dry, cool (≤ 27°C / 80°F) conditions	
	Shelf life	At least 24 month from production date	
Mechanical Tests	Curing schedule (at object temperature)	10 minutes at 190°C	
	Adhesion (2mm)	DIN EN ISO 2409	Gt0
	Erichsen cupping	DIN ISO 1520	≥ 8 mm
	Flexibility	ISO 6860	≤ 3 mm
	Buchholz Hardness	ISO 2815	≥ 80
	Impact resistance	ISO 6272	≥ 6 Nm (direct)
Environmental and Durability Tests	Impact resistance	ISO 6272	≥ 6 Nm (reverse)
	Neutral Salt Spray	ASTM B117	504h corrosion creep < 2mm from scribe
	Humidity	DIN EN ISO 6270-2	504h no blistering or loss of gloss
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	Gold seal polished steel panels	
	Pretreatment	Zinc phosphate	
	Film thickness	70 ± 10 µm	
	Cure schedule	10 minutes at 190°C	
	Actual film performance will depend on the individual circumstances in which the product is used.		

Pre-treatment	Steel surfaces must be clean and free from grease. For maximum protection it is essential to pre-treat components prior to the application of Interpon A 4701 . Iron Phosphate and zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate conversion or chromate free pretreatment.
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.
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	<p>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 fulfil 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.</p> <p>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.</p> <p>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel</p>

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Author: Ş. Haydaroğlu