

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4700 EL043QF

Product Description	Interpon A4700 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 A4700 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	Wheel primer	
	Appearance	Smooth	
	Gloss level (60°)	Min. 80 GU Basecoat and clearcoat required	
	Colour	Grey	
	Recommended Film Thickness	2.0 - 4.0 mils (50 - 100 microns)	
	Density (g/cm³)	1.36 ± 0.05	
	Application	Electrostatic	
	Storage	Under dry, cool (<70°F/21°C) conditions	
	Shelf life	At least 6 months from production date	
	Curing schedule (at object temperature)	15 min at 375°F (191°C)	
Mechanical Tests	Adhesion	ASTM D3359	100%
	Impact resistance	ASTM D2794	≥ 80 ip (direc)
	Impact resistance	ASTM D2794	≥ 80 ip (reverse)
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	240 h Corrosion creep < 2 mm from scribe
	Humidity	ASTM D2247	240 h no blistering or loss of gloss
	Exterior Durability	NA	
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	Aluminium	
	Pretreatment	Electrocoat, Chrome conversion, Non- chrome	
	Film thickness	2.0 - 4.0 mils (50 – 100 microns)	
	Cure schedule	15 minutes at 375°F	
	Actual film performance will depend on the individual circumstances in which the product is used.		
Pre-treatment	Aluminium or 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 A4700. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.		

Application	Interpon A4700 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 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.
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