

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4742 OZ012GF / 90-80-0016-6

Product Description	The line of Interpon A4742 polyester clearcoats (TGIC free) stand ready with excellent appearance and performance. Together they are perfectly balanced to provide long lasting protection from chipping, scratching, wheel cleaners and corrosive road environments. Interpon A4742 clears have more than 20 years of commercial success that make them the topcoat of choice for aluminium wheels.		
Powder Properties	Chemical type	Polyester	
	Area of usage	Wheels	
	Appearance	Smooth, clear	
	Gloss level (visual)	High gloss	
	Recommended Film Thickness on Wheels	70 - 110 µm	
	Density (g/cm³)	1.17 ± 0.05	
	Application	Electrostatic	
	Storage	Under dry, cool (≤ 25°C) conditions	
	Shelf life	At least 24 month from production date	
Mechanical Tests	Curing schedule (at object temperature)	10 minutes at 200°C	
	Adhesion	DIN EN ISO 2409	Gt0
	Erichsen cupping	DIN EN ISO 1520	≥ 8mm
Environmental and Durability Tests	Impact resistance	ASTM D 2794	≥ 20 ip (reverse)
	Neutral Salt Spray	DIN EN ISO 9227	240h corrosion creep < 2mm from scribe
	Humidity	DIN EN ISO 6270-2	240h 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	Aluminium	
	Pretreatment	Bonder (722/W/OF) Chromate	
	Film thickness	85 µm	
	Cure schedule	10 minutes at 200°C	
Actual film performance will depend on the individual circumstances in which the product is used.			
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 A4742 . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.		

Application	Interpon A4742 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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