

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4740 CZ003GF

Product Description	Interpon A4740 acrylic clearcoat is the OEM standard in the aluminum wheel market. With outstanding application consistency and film performance. Interpon A4740 clearcoats are the first choice for wheel makers around the world. Interpon A4740 acrylic clears combine Class A elegance and OEM specified durability in a super smooth finish with crystal clear transparency.		
Powder Properties	Chemical type	GMA-acrylic	
	Area of usage	Wheels, special applications	
	Appearance	Smooth, glossy	
	Gloss level (visual)	High gloss	
	Recommended Film Thickness (µm)	60 - 80 µm	
	Density (g/cm³)	1.20 ± 0.05	
	Application	Electrostatic	
	Storage	Under dry, cool conditions (25°C max)	
	Shelf life	At least 8 months from production date	
	Curing schedule (at object temperature)	20 minutes at 175°C	
Mechanical Tests	Adhesion	DIN EN ISO 2409	GT0
	Hardness	ASTM D3363	H-H2
	Impact resistance	ASTM D 2794	≥ 5 ip (reverse) ≥ 10 ip (direct)
Environmental and Durability Tests	CASS Test	GM4476P	240 h corrosion creep < 3 mm max.
		DIN EN ISO 9227	240h infiltration W _b > 1mm DIN EN ISO 4628-8
	Humidity	ASTM D2247	240 h no blistering or loss of gloss.
		DIN EN ISO 6270-2	240h infiltration W _b > 1mm DIN EN ISO 4628-8
	Artificial Testing	3000h+KJ Xenon Arc	> 90%Gloss Retention
Artificial Testing	2500h QUV-B test (313 nm)	> 50% Gloss Retention	
Natural Testing	36 month	> 90% Gloss Retention	
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)	
	Film thickness	60 – 80 µm	
	Cure schedule	20 minutes at 175°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 A4740 . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.
Application	Interpon A4740 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>

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