

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2201 QN201U

Product Description	<p>Interpon A2201 powders can be used for pillars and appliqué, roof racks, grille guards, bumpers, hitches, mirror housings, and wiper arms all require protection from the environment as well as being visually harmonious with the overall design of a vehicle. Interpon A2201 powders are super durable (> two years Florida) and answer to the requested performance level specified by the OEMs. They are also chemical and corrosion resistant, protective against chipping from road debris, hardened against scratches, but flexible enough to handle always changing environmental cycles.</p>		
Powder Properties	Chemical type	Polyester (TGIC)	
	Area of usage	Automotive trim parts	
	Appearance	Matte black	
	Gloss level (60°)	25 – 35 GU	
	Recommended Film Thickness (mils)	2.0 – 2.5	
	Specific gravity (g/cm³)	1.41 ± 0.05	
	Coverage (ft²/lb/mil)	136.4	
	Storage	≤ 80°F / 26°C	
	Shelf life	12 months from production date	
	Curing schedule (at object temperature)	10 minutes at 400°F 15 minutes at 390°F 20 minutes at 375°F	
Mechanical Tests	Flexibility	ASTM D522	1/4" Mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance	ASTM D2794	80-120 in-lbs (direct & reverse)
	Hardness	ASTM D3363	H
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	336 h, no blistering and <1mm creepback
	Humidity	ASTM D2247	96 h, no blistering or loss of adhesion
	Exterior durability	SAE J1976	4 years Florida exposure, >80% gloss retention
OEM approvals	GM	GMW14664	

Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.
	Substrate CRS (cold rolled steel)
	Pretreatment Iron Phosphate (B1000), Zinc Phosphate (B952), Electrocoat
	Film thickness 2.0 – 2.5 mils
	Cure schedule 20 minutes at 380°F
	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 A2201 . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminum parts require a chromate or chromate-free conversion pre-treatment.
Application	Interpon A2201 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.
Additional information	QN201U holds color approval against General Motors' color standard WAPB30-848
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: J. Gesford