

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2201 QN001U

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 super-durable	
	Appearance	Smooth, glossy	
	Gloss level (60°)	> 90 GU	
	Recommended Film Thickness (mils)	2.0 – 4.0	
	Density (g/cm³)	1.21 ± 0.05	
	Coverage (ft²/lb/mil)	159	
	Storage	Under dry, cool (<80°F) conditions	
	Shelf life	12 months from production date	
	Curing schedule (at object temperature)	10 minutes at 400°F 15 minutes at 375°F 20 minutes at 350°F	
Mechanical Tests	Flexibility	ASTM D522	1/4" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance	ASTM D2794	80 in-lbs (direct)
	Impact resistance	ASTM D2794	80 in-lbs (reverse)
	Hardness	ASTM D3363	2H
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	500 h, No creep or blisters
	Humidity	ASTM D2247	500 h, 100% adhesion and no change in appearance
	Accelerated Weathering	SAE J1960	2000 kJ Xenon, >80% gloss retention
OEM Approvals	Navistar International	TMS9009	

Test Conditions	<p>Testing has been determined under laboratory conditions using the following application properties and is for guidance only.</p> <p>Substrate Cold Rolled Steel</p> <p>Pretreatment Iron Phosphate (B1000)</p> <p>Film thickness 2.0-4.0 mils</p> <p>Cure schedule 15 minutes at 375°F</p> <p>Actual film performance will depend on the individual circumstances in which the product is used.</p>
Pre-treatment	<p>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.</p>
Application	<p>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.</p>
Safety Precautions	<p>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.</p>
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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