

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2203 Q3112Q

Product Description	Interpon A2203 powders can be used for pillars and appliquéés, 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 A2203 powders are super durable (> two years Florida) and answer to the requested performance level specified by the OEMs.		
Powder Properties	Chemical type	Polyester super durable metallic	
	Area of usage	Automotive trim parts, body parts	
	Appearance	Smooth	
	Gloss level (60°)	Visual	
	Colour	Silver	
	Recommended Film Thickness (µm)	2.5 – 3.5 µm	
	Density (g/cm³)	1.21 ± 0.05	
	Application	Electrostatic (Corona)	
	Storage	Under dry, cool (< 25°C) conditions (open boxes must be resealed)	
	Shelf life	At least xx months from production	
	Curing schedule (at object temperature)	10 minutes at 400°F	
Mechanical Tests	Adhesion	ASTM D3359	100%
	Flexibility	ASTM D522	1/8" mandrel
	Impact resistance (Direct)	ASTM D 2794	40 lb-in or better
Environmental and Durability Tests	A Salt Spray	ASTM B117	<1/16" creep, no blisters, at 500 hrs
	Humidity	ASTM D2247	No Change at 1000 hours
	Exterior Durability	Yes	
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	CRS	
	Pretreatment	Iron phosphate (B1000)	
	Film thickness	2.0 – 3.0 µm	
	Cure schedule	15 minutes at 375°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 A2203. Iron Phosphate and Zinc Phosphate of ferrous metals improve		

corrosion resistance. Aluminum parts require a chromate or chromate-free conversion pre-treatment.

Application

Interpon A2203 powder can be applied by manual or automatic electrostatic spray charging equipment. For solid shades, unused powder can be reclaimed up to a maximum of 10% using suitable equipment and recycled through the system. Please consult AkzoNobel for further details as to the correct mixing ratio for virgin/reclaim powder.

All powders can show small colour differences from batch to batch, this is normal and unavoidable. While AkzoNobel take every precaution to minimize visible differences, this cannot be guaranteed. Applicators and fabricators are advised to use a single batch for parts that will be assembled together. Differences are more likely with special effect powders.

Bonded products have better application properties than blended products (more stable) but attention should still be paid to line settings in order to avoid "marble effect" and changes in aspect after recycling. For more details it is suggested to read the ***Metallic Application Guidelines***.

Different substrates (aluminum, steel, galvanized steel...), use of primer, and big changes in film thickness may give a different aspect.

Products with different codes should not be mixed even if same colour and gloss.

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

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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