

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2201 YN223GF / 90-84-9939-0

Product Description

Interpon A2201 powders can be used for pillars and appliques, 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.

Powder Properties

Chemical type	Polyester super-durable
Area of usage	Automotive trim parts
Particle Size	Custom manufactured
Appearance	Smooth, matt
Colour	Black
Gloss (60°)	20 ± 3 GU
Density (g/cm³)	1,55 ± 0,05
Stoving schedule	10 minutes at 200°C (time at object temperature)
Application	Electrostatic
Storage Stability	Under dry, cool (<25°C) conditions, at least 24 months from production date

Comments

YN223GF is a low gloss black, thermosetting powder coating, exhibiting very good weathering performance and corrosion protection when applied over properly prepared metal substrate. This coating has average to good flexibility, but is not recommended for applications where severe post-forming is required. **YN223GF** is designed for application on automotive exterior trim parts. Other features include excellent flow and leveling, good film coverage and gloss uniformity.

Test Conditions

The results are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

Substrate	Steel panels, Aluminium
Pretreatment	Bonder (WH/60/OC) iron phosphate, Bonder (722/W/OF)
Film Thickness	70 µm
Cure Schedule	10 minutes at 200°C

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0A
Erichsen Cupping	DIN EN ISO 1520	≥ 6 mm
Impact	ASTM D 2794	≥ 10 ip (reverse)

Corrosion Tests

Salt Spray	DIN EN ISO 9227	240 h corrosion creep < 2 mm from scribe
Humidity Test	DIN EN ISO 6270-2	240 h no blistering or loss of gloss

Exterior Durability

Artificial Testing	Xenon Arc > 50% gloss retention after 2.000 h
Natural Testing	Florida > 50% gloss retention after 24 months

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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. Aluminium parts require a chromate conversion or chromate-free 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.

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 fulfill 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. 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.

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Interpon A2201 - YN223GF - Issue #2
Issued: 12.07.2011 Revision Date: 30.09.2015

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