

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2201 YN208Q

Product Description

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.

Powder Properties

Type	Super durable polyester
Area of usage	Automotive trim parts
Appearance	Smooth, matt
Particle size	Custom manufactured
Colour	Black
Gloss (60°)	20 ± 5 GU
Density (g/cm³)	1,33 ± 0,05
Coverage at 1.0 mil	144.6 sq. ft. / lb. / mil
Storage conditions	maximum 80°F
Shelf life	12 months from production date
Stoving schedule	15 - 20 minutes at 380°F (time at object temperature) 10 - 15 minutes at 392°F

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	Cold Rolled Steel
Pretreatment	Iron Phosphate (B1000), Zinc Phosphate (B952), Electrocoat
Film Thickness	2.4 – 4.0 mils
Cure Schedule	10 minutes at 392°F

Mechanical Tests

Adhesion	ASTM D3359	100%
Hardness	ASTM D3363	H-2H
Impact (direct)	ASTM D2794	80 - 120 inch-lbs
Impact (reverse)	ASTM D2794	80 - 120 inch-lbs
Flexibility	ASTM D522	1/4" mandrel

Corrosion Tests

Salt Spray	ASTM B117	240 hours, or per OEM specification
Humidity	ASTM D2247	240 hours, or per OEM specification

OEM Approvals

BMW	PV98022
Ford	WSS-M70J5-B

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 substrate may require a chromate or chromate-free conversion coating.

Interpon A2201 YN208Q

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

This product is also known as YN50KD in Europe.

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.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

AkzoNobel Powder Coatings B.V. T +31 (0)71 308 6981
Rijksstraatweg 31 (building 24) F +31 (0)71 318 6924
PO Box 3 www.interpon.com
2170 BA Sassenheim
The Netherlands

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel
Interpon A2201 – YN208Q - Issue #2
Issued: 02.06.2015 Revision Date: 20.08.2015

Interpon[®]