

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A2201 YN218GF / 90-84-9931-6

#### Product Description

**Interpon A2201** powders can be used for pillars and appliqués, 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

<b>Chemical type</b>	Polyester super-durable
<b>Area of usage</b>	Automotive trim parts
<b>Particle Size</b>	Custom manufactured
<b>Appearance</b>	Smooth, matt
<b>Colour</b>	Black BMW YA 45
<b>Gloss (60°)</b>	15 - 21 GU
<b>Density (g/cm<sup>3</sup>)</b>	1,45 ± 0,05
<b>Stoving schedule</b>	15 minutes at 200°C (time at object temperature)
<b>Application</b>	Electrostatic
<b>Storage Stability</b>	Under dry, cool (<25°C) conditions, at least 24 months from production date

#### Comments

**YN218GF** 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. **YN218GF** is designed for application on automotive exterior trim parts, approved by BMW. 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.

<b>Substrate</b>	Steel panels, Aluminium
<b>Pretreatment</b>	Bonder (WH/60/OC) iron phosphate, Bonder (722/W/OF)
<b>Film Thickness</b>	70 µm
<b>Cure Schedule</b>	15 minutes at 200°C

#### Mechanical Tests

<b>Adhesion</b>	DIN EN ISO 2409	Gt 0A
<b>Erichsen Cupping</b>	DIN EN ISO 1520	≥ 2 mm
<b>Impact</b>	ASTM D 2794	≥ 20 ip (reverse)

#### Corrosion Tests

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

#### Exterior Durability

<b>Artificial Testing</b>	Xenon Arc > 50% gloss retention after 2000 h
<b>Natural Testing</b>	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 or chrome-free conversion pre-treatment.

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### 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.

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### 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.

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### 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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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

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