# Product Data Sheet

AkzoNobel Powder Coatings
**Interpon A2205**
**YN312E**

## Product Description

**Interpon A2205** offer enhanced exterior durability while our textured low gloss products provide a uniform finish that is both rugged and refined. **Interpon A2205** powders are super durable (> two years Florida) and answer to the requested performance level specified by the OEMs. Specifically intended for trim components **Interpon A2205** gives significantly improved gloss and colour retention compared with standard automotive powders.

## Powder Properties

| | |
|---|---|
| **Chemical type:** | Polyester super-durable |
| **Area of usage** | Automotive trim parts |
| **Particle Size** | Custom manufactured |
| **Appearance** | Textured, matt |
| **Colour** | Black |
| **Gloss** | Visually matched to standard |
| **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 |

## Comment

Finished gloss dependent on oven bake schedule. Gloss level influenced by oven configuration.

## 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** | Aluminium |
| **Pretreatment** | Bonder (722) |
| **Film Thickness** | 60-70 µm |
| **Cure Schedule** | 10 minutes at 200°C |

## Mechanical Tests

| | | |
|---|---|---|
| **Chip Resistance** | SAE J400 | Rating 4B |

## Corrosion Tests

| | | |
|---|---|---|
| **Neutral Salt Spray** | ASTM B-117 | 480 h corrosion creep < 2 mm from scribe<br>no blistering |

## Exterior Durability

| | |
|---|---|
| **Natural Testing** | Florida Exposure > 50% gloss retention after 24 months |

## Pre-treatment

Aluminium 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 A2205**. Chromate conversion pre-treatment improve corrosion resistance.

# Interpon A2205
# YN312E

| | |
|---|---|
| **Application** | **Interpon A2205 - YN312E** can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. The final gloss level achieved will depend on actual powder application, equipment, substrate and stoving conditions. Contact Akzo Nobel for specific guidance. |
| **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.**<br>**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.**<br><br>**Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel** |

**AkzoNobel Powder Coatings B.V.**
Rijksstraatweg 31 (building 24)
PO Box 3
2170 BA Sassenheim
The Netherlands

T +31 (0)71 308 6981
F +31 (0)71 318 6924
www.interpon.com


**Interpon A2205 - YN312E - Issue #3**
**Issued: 09.03.09 Revision Date: 11.06.2015**