

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A4742 OZ010GF / 90-80-0016-2

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| <b>Product Description</b>                | The line of <b>Interpon A4742</b> polyester clearcoats (TGIC free) stand ready with excellent appearance and performance. Together they are perfectly balanced to provide long lasting protection from chipping, scratching, wheel cleaners and corrosive road environments. <b>Interpon A4742</b> clears have more than 20 years of commercial success that make them the topcoat of choice for aluminium wheels. |  |  |
| <b>Powder Properties</b>                  | <b>Chemical type</b>   | Polyester                              |  |
|   | <b>Area of usage</b>   | Wheels                                 |  |
|   | <b>Appearance</b>  | Smooth, clear                          |  |
|   | <b>Gloss level (visual)</b>  | High gloss                             |  |
|   | <b>Recommended Film Thickness on Wheels</b>  | 70 - 110 µm                            |  |
|   | <b>Density (g/cm<sup>3</sup>)</b>  | 1.25 ± 0.05                            |  |
|   | <b>Application</b>   | Electrostatic                          |  |
|   | <b>Storage</b>   | Under dry, cool (≤ 25°C) conditions    |  |
|   | <b>Shelf life</b>  | At least 18 month from production date |  |
|   | <b>Curing schedule (at object temperature)</b>   | 10 minutes at 160°C                    |  |
| <b>Mechanical Tests</b>                   | <b>Adhesion</b>  | DIN EN ISO 2409                        | Gt0                                    |
|   | <b>Erichsen cupping</b>  | DIN EN ISO 1520                        | ≥ 8mm                                  |
|   | <b>Impact resistance</b>   | ASTM D 2794                            | ≥ 20 ip (reverse)                      |
| <b>Environmental and Durability Tests</b> | <b>Neutral Salt Spray</b>  | DIN EN ISO 9227                        | 240h corrosion creep < 2mm from scribe |
|   | <b>Humidity</b>  | DIN EN ISO 6270-2                      | 240h no blistering or loss of gloss    |
| <b>Test Conditions</b>                    | Testing has been determined under laboratory conditions using the following application properties and is for guidance only.   |  |  |
|   | <b>Substrate</b>   | Aluminium                              |  |
|   | <b>Pretreatment</b>  | Bonder (722/W/OF) Chromate             |  |
|   | <b>Film thickness</b>  | 85 µm                                  |  |
|   | <b>Cure schedule</b>   | 10 minutes at 160°C                    |  |
|   | Actual film performance will depend on the individual circumstances in which the product is used.  |  |  |
| <b>Pre-treatment</b>                      | 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 <b>Interpon A4742</b> . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.   |  |  |

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| <b>Application</b> | <b>Interpon A4742</b> 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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| <b>Safety Precautions</b> | 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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| <b>Disclaimer</b> | <b>IMPORTANT NOTE:</b> 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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