

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A1250 PN203D

#### Product Description

**Interpon A1250** takes nothing for granted when it comes to coating parts under the hood. Out of sight is not out of mind. The geometry, coarse surface and performance requirements of the engine block demands coatings that achieve good wetting of the rough surface, excellent penetration into recessed areas, good edge coverage, faster cure times, and great performance. In addition, the cured **Interpon A1250** powder film is formulated for a strong combination of mechanical properties which will withstand high speed machining without chipping or flaking or generating debris from the machining processes that are typical for engine blocks. Finally, **Interpon A1250** comes in a range of glosses and textures for engine blocks designed for distinction.

#### Powder Properties

<b>Chemical type</b>	Polyurethane
<b>Area of usage</b>	Engine blocks
<b>Particle Size</b>	Custom manufactured
<b>Appearance</b>	Smooth, matt
<b>Colour</b>	Black
<b>Gloss (60°)</b>	8 – 18 GU
<b>Density (g/cm<sup>3</sup>)</b>	1,65 ± 0,05
<b>Stoving schedule</b>	10 minutes at 200°C (time at object temperature)
<b>Application</b>	electrostatic
<b>Storage Stability</b>	under dry, cool (<25°C) conditions, at least 12 months from production date

#### 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 panels
<b>Pretreatment</b>	Bonder (LH Iron phosphate), Bonder (722/W/OF) chromate
<b>Film Thickness</b>	60 µm
<b>Cure Schedule</b>	10 minutes at 200°C

#### Mechanical Tests

<b>Adhesion</b>	DIN EN ISO 2409	Gt 0A
<b>Erichsen Cupping</b>	DIN EN ISO 1520	≥ 3 mm
<b>Impact</b>	ASTM D 2794	≥ 10 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>	N/A
<b>Natural Testing</b>	N/A

#### Application

**Interpon A1250** 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.

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