

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A1230 AN011GF / 90-12-9927-0

#### Product Description

The **Interpon A1230** series covers a wide range of powder coatings specifically designed to meet the extreme demands of automotive and heavy duty truck power train and chassis parts. Demanding environments require high performance protection. **Interpon A1230** will enhance and protect automotive parts with excellent chemical, corrosion and chip resistance as well as the right aesthetic appearance exactly where it's needed.

#### Powder Properties

<b>Chemical type</b>	Epoxy
<b>Area of usage</b>	Automotive suspension springs and brake parts
<b>Particle Size</b>	Custom manufactured
<b>Appearance</b>	Smooth
<b>Colour</b>	Black
<b>Gloss (60°)</b>	85 - 95 GU
<b>Density (g/cm<sup>3</sup>)</b>	1,35 ± 0,05
<b>Gel time at 180°C</b>	40 - 50 sec.
<b>Stoving schedule</b>	11 minutes at 140°C (time at object temperature) 16 minutes at 145°C (oven temperature)
<b>Application</b>	Electrostatic
<b>Storage Stability</b>	Under dry, cool (<25°C) conditions, at least 12 months from production date

#### Comments

**AN011GF** is a gloss, black, thermosetting powder coating, exhibiting excellent clamping force and chemical resistance and corrosion protection when applied over a properly prepared metal substrate. **AN011GF** is designed for application on automotive springs. It does not break down due to the pressure exerted when screws are tightened down.

#### 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
<b>Pretreatment</b>	Bonder (WH/60/OC) iron phosphate
<b>Film Thickness</b>	100 µm
<b>Cure Schedule</b>	11 minutes at 140°C

#### Mechanical Tests

<b>Adhesion</b>	DIN EN ISO 2409	Gt 0A
<b>Erichsen Cupping</b>	DIN EN ISO 1520	≥ 6 mm

#### 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>	not for outdoor weathering
<b>Natural Testing</b>	not for outdoor weathering

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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 A1230**.  
Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.

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### Application

**Interpon A1230** 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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