

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A1270 HZG06GF / 90-10-0010-1

#### Product Description

The visual effect achieved from the final headlamp reflector is of the utmost importance and a quality **Interpon A1270** powder primer is the key. The powder coating covers defects in the fabricated part and provides a smooth, corrosion resistant and high reflection finish for the vacuum metallization process.

#### Powder Properties

<b>Chemical type</b>	Epoxy
<b>Area of usage</b>	Automotive headlamp reflectors
<b>Particle Size</b>	Custom manufactured
<b>Appearance</b>	Extremely smooth, high gloss
<b>Colour</b>	Clear
<b>Gloss (60°)</b>	>90 GU
<b>Density (g/cm<sup>3</sup>)</b>	1,20 ± 0,05
<b>Stoving schedule</b>	10 minutes at 140°C melting 15 minutes at 240°C curing
<b>Min. crosslink temp.</b>	230°C, metal temperature
<b>Application</b>	Electrostatic
<b>Storage Stability</b>	Under dry, cool (<23°C) conditions, at least 12 months from production date

#### Comments

**HZG06GF** (old name: Valophene 90-10-0010-1) is a clear, high gloss thermosetting powder coating, exhibiting excellent corrosion protection, heat and chemical resistance when applied over properly prepared metal substrate. **HZG06GF** is originally developed for automotive headlamps.

#### 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>	70 µm
<b>Cure Schedule</b>	10 minutes at 140°C melting 15 minutes at 240°C curing

#### Mechanical Tests

<b>Adhesion</b>	DIN 53 151	Gt 0
<b>Pencil hardness</b>	ASTM D-3363	≥ 4H

#### Corrosion Tests

<b>Salt Spray</b>	DIN EN ISO 7253	240 h, corrosion creep < 2 mm from scribe
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#### Exterior Durability

<b>Artificial Testing</b>	not intended for outdoor use
<b>Natural Testing</b>	not intended for outdoor use

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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 A1270**.  
Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.

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### Application

**Interpon A1270** 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.

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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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Interpon A1270 – HZG06GF - Issue #3  
Issued: 16.07.2012 Revision Date: 22.09.2015

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