

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1270 HZG04R

Product Description

The visual effect achieved from the final headlamp reflector is of the utmost importance and a quality 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. **Interpon A1270** is an epoxy coating for the application to headlamp reflector casing to provide corrosion protection with a high degree of smoothness in a thin film, prior to the process of metallization under vacuum.

Powder Properties

Chemical type	Epoxy
Area of usage	Automotive headlamp reflectors
Particle Size	D50 = 26 – 32 µm Sympatec laser
Distributon	D50 = 30 – 36 µm Malvern laser
Appearance	Extremely smooth, high gloss
Colour	Clear-brown
Gloss (60°)	100 - 120 GU
Density (g/cm³)	1,10 ± 0,10
Gel time at 200°C	80 – 95 sec.
Post cure conditions	240°C object temperature, 30 minutes holding time (Variations due to oven conditions can be possible but it must be assured by the applicator that it works in his system)
Application	Electrostatic
Storage Stability	under dry, cool (<23°C) conditions, at least 6 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.

Substrate	Steel panels
Pretreatment	Bonder WH/60/OC iron phosphate
Film Thickness	40 - 60 µm
Cure Schedule	30 minutes 240°C, post cure

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0
Hardness	DIN EN ISO 2818	≥ 125

Corrosion Tests

Salt Spray	DIN 50 021 SS	240 h no blistering, Gt 0
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Exterior Durability

Artificial Testing	not intended for outdoor use
Natural Testing	not intended for outdoor use

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.

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. 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.

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