

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1242 AN006GF / 90-12-9922-0

Product Description

Interpon A1242 powder has an excellent line of coatings for coil springs, and torsion bars essential to the safe performance and comfortable ride of today's car and truck chassis systems. **Interpon A1242's** single layer systems offer unyielding performance in corrosion and chip resistance balanced with excellent application efficiencies. Our patented dual-layer system for coil springs offers superior corrosion protection and critical chip resistance in both zinc and non-zinc containing primer versions to bring you the most economical and responsible choices in coatings for high performance, high tensile springs.

Powder Properties

| | |
|-----------------------------------|--|
| Chemical type | Epoxy |
| Area of usage | Automotive suspension springs |
| Particle Size | Custom manufactured |
| Appearance | Smooth |
| Colour | Black |
| Gloss (60°) | 78 - 92 GU |
| Density (g/cm³) | 1,33 ± 0,05 |
| Stoving schedule | 8 minutes at 140°C [time at object temperature] |
| Application | electrostatic |
| Storage Stability | under dry, cool (<25°C) conditions, at least 6 months from production date |

Comments

AN006GF is a glossy, black, thermosetting powder coating, exhibiting excellent adhesion, chemical resistance and corrosion protection when applied over a properly prepared metal substrate. **AN006GF** is designed for application on automotive suspension springs.

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 | 100 - 140 µm |
| Cure Schedule | 8 minutes at 140°C |

Mechanical Tests

| | | |
|------------------------------|-----------------|-------------|
| Adhesion | DIN EN ISO 2409 | Gt 0 |
| Erichsen Cupping | DIN EN ISO 1520 | ≥ 6 mm |
| Impact Resist. Direct | ASTM D 2794 | ≥ 10 in/lbs |

Corrosion Tests

| | | |
|----------------------|-------------------|--|
| Salt Spray | DIN EN ISO 9227 | 240 h corrosion creep < 2 mm from scribe |
| Humidity Test | DIN EN ISO 6270-2 | 240 h no blistering or loss of gloss |

Exterior Durability

| | |
|---------------------------|----------------------------|
| Artificial Testing | not for outdoor weathering |
| Natural Testing | 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 A1242**.
Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.

Application

Interpon A1242 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.

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.
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