

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1243 BW104GF / 301.727S

Product Description

Interpon A1243 for brake components combines toughness and durability with excellent corrosion and chemical resistance. They also come in a range of colors to meet the varied design needs for brake pads, brake discs, calipers and other wheel hardware that is visible in an open wheel design.

Powder Properties

Chemical type	Epoxy
Area of usage	Brake calipers
Particle Size	Custom manufactured
Appearance	Smooth, glossy
Colour	Anthracite metallic
Gloss (60°)	75 ± 5 GU
Density (g/cm3)	1,55 ± 0,05
Stoving schedule	10 minutes at 180°C (time at object temperature)
Application	Electrostatic
Storage Stability	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.

Substrate	Steel panels
Pretreatment	Bonder (WH/60/OC) iron phosphate
Film Thickness	70 µm
Cure Schedule	10 minutes at 180°C

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0
Erichsen Cupping	DIN EN ISO 1520	≥ 4 mm

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	N/A
Natural Testing	N/A

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 A1243**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.

Application

Interpon A1243 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.

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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