

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A4700 FL078K

Product Description

Interpon A4700 primers have been formulated to work with a variety of base coats and curing conditions. They offer excellent levelling and smoothness while providing superior corrosion and chip resistance. **Interpon A4700 primers** are engineered to minimize outgassing, and they can be applied over a wide range of film thicknesses and application conditions to reduce defects and improve first run quality.

Powder Properties

Chemical type	Epoxy - Polyester
Area of usage	Wheels primer
Particle size	Custom manufactured
Appearance	Smooth, glossy
Colour	Hitachi Grey
Gloss (60°)	95 ± 5 GU
Density (g/cm³)	1.4 – 1.8
Stoving schedule	20 minutes at 160 °C (time at object temperature)
Application	Electrostatic spray
Storage stability	Under dry, cool (< 25°C) conditions, at least 12 months from production date (open boxes must be resealed)

Test Conditions

The results shown below 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	Aluminium
Pretreatment	KS M 5000 Test method 1111, Chrome conversion, non-chrome
Cure schedule	20 minutes at 160 °C
Dry film thickness	80-120 µm

Mechanical Tests

Adhesion	ASTM D3359	No peeling
Flexibility	ASTM D522 (Conical Mandrel)	4 mm
Pencil Hardness	ASTM D3363	Mitsubishi F. No scratch
Cupping	KS B 0812 (Erichsen)	6 mm

Chemical tests

Salt Spray	ASTM B117	1200 hrs, <2 mm
Humidity	ASTM D1735	240 hours, No blistering
Acid Resistance	5% CH ₃ COOH	24 hours, No change
Alkali Resistance	5% NaOH	24 hours, No change

Pre-treatment

Aluminum substrate must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of **Interpon A4700** primers. OEM aluminum wheels, require a chromate or non-chromate conversion coating prior to application of **Interpon A4700** coatings.

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Application

Interpon A4700 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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