

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A5150 MK0894

Product Description

Interpon A5150 is a series of standard durability powder coatings, formulated without TGIC, designed for exterior exposure. Tested against OEM specifications **Interpon A5150** exhibits excellent corrosion resistance and good gloss retention and resistance to colour change. **Interpon A5150** has been developed for chassis and chassis components for trucks.

Powder Properties

Chemical type	Polyester
Area of usage	Truck chassis and chassis parts
Particle Size	Custom manufactured
Appearance	Smooth, glossy
Colour	Taavura Grun
Gloss (60°)	90 ± 10 GU
Density (g/cm³)	1,35 ± 0,05
Stoving schedule	15 minutes at 180°C (time at object temperature)
Application	Electrostatic
Storage stability	Under dry, cool (< 27°C, 80°F) conditions, at least 18 months from production date

Comments

MK0894 is designed to fulfill the requirements of the specification "TL004-05 Surface and Coating Quality - Powder Coating"

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	Gold seal polished steel panels
Pretreatment	Zinc phosphated
Film Thickness	85 ± 5 µm
Cure Schedule	15 minutes at 180°C

Mechanical Tests

Flexibility	ISO6860	≤ 3 mm
Adhesion	DIN EN ISO 2409	Gt 0
Erichsen Cupping	DIN EN ISO 1520	≥ 8 mm
Buchholz Hardness	ISO 2815	≥ 80
Impact	ISO 6272	≥ 9 Nm (reverse)
Impact	ISO 6272	≥ 9 Nm (direct)

Corrosion Tests

Neutral Salt Spray	ASTM B117	504 h corrosion creep < 2 mm from scribe
Humidity Test	ISO 6270	504 h no blistering

Exterior Durability

Excellent-no chalking, slight loss of gloss after 12 months, continuous exposure but no film breakdown or reduction in protective properties

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Chemical Resistance

Very good resistance to acids, alkalis and oils at normal temperatures

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 A5150**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate conversion or chromate-free pre-treatment

Application

Interpon A5150 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. 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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Interpon A5150 - MK0894 – Issue #2
Issued: 27.06.2015 Revision Date: 07.09.2015

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