

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A5500 AN2114

Product Description

Interpon A5500 primer-surfacers have been formulated to work with a variety of base coats and topcoats. They offer excellent levelling and smoothness while providing superior corrosion and chip resistance. **Interpon A5500** primer-surfacers are engineered to be used without sanding before over spraying with liquid base coats or topcoats.

Powder Properties

Chemical type	Epoxy
Area of usage	Primer-surfacer for bus doors
Particle Size	Custom manufactured
Appearance	Smooth, matt
Colour	RAL 9011
Gloss (60°)	12 ± 3 GU
Gloss (85°)	25 ± 5 GU
Density (g/cm³)	1,53 ± 0,05
Stoving schedule	10 minutes at 200°C (time at object temperature)
Application	Corona
Storage stability	Under dry, cool (< 27°C, 80°F) conditions, at least 12 months from production date

Comments

AN2114 was specially designed for MAN bus doors as primer to full fill the requirements of M 3166 3 m.

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 phosphate
Film Thickness	70 ± 5 µm
Cure Schedule	10 minutes at 200°C

Mechanical Tests

Flexibility	ISO6860	≥ 3 mm
Adhesion	DIN EN ISO 2409	Gt 0
Erichsen Cupping	DIN EN ISO 1520	≥ 1 mm
Buchholz Hardness	ISO 2815	≥ 80
Impact	ISO 6272	≥ 3 Nm (reverse)
Impact	ISO 6272	≥ 3 Nm (direct)

Corrosion Tests

Neutral Salt Spray	ASTM B117	240 h corrosion creep < 2 mm from scribe
Humidity Test	ISO 6270	240 h no blistering

Chemical Resistance

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

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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 A5500**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate conversion or chromate-free pre-treatment

Application

Interpon A5500 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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