

Product Data Sheet

AkzoNobel Powder Coatings

Interpon D2015

Product Description

Interpon D2015 is a series of high durability powder coatings specially formulated for use on architectural aluminium.

Interpon D2015 conforms with the performance requirements of QUALICOAT (Class2) and AAMA2604 specifications.

Interpon D2015 is designed to offer significantly higher gloss retention and resistance to colour change combined with maximum film integrity to ensure long term cosmetic and functional protection.

Interpon D2015 powders are available in a selected range of colours pearlescent effects in gloss, satin and matt finishes.

Powder Properties

Chemical type	Polyester
Appearance	Depends on specific product
Particle Size	Suitable for electrostatic spray
Gloss	Depends on specific product
Specific gravity	1.2-1.7 g/cm ³ (depending on color)
Storage	Dry cool conditions below 30 °C
Shelf life	12 months
Stoving schedule (object temperature)	15 minutes at 190°C 10 minutes @ 200° C Failure to observe the correct curing conditions may cause difference in colour, gloss and the deterioration of the coating properties.

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	Al extrusion
Pretreatment	qualified Cr ³⁺ , Cr ⁶⁺ or non-Cr pretreated
Film Thickness	60-80 microns
Stoving Schedule	10 minutes at 200°C (object temperature)

Mechanical Tests

Adhesion	ASTM D3359	5B
Impact	ASTM D2794	Pass-Impact power 2.5NM
Dry film hardness	ASTM D3363	>=H
Boiling water adhesion	QUALICOAT-2.16	0
Abrasion resistance	ASTM D968	Pass-abrasion coefficient >20

Chemical and Durability Tests

Constant Climate	ASTM D 2247	Pass-3000 hours
Condensation		
Accelerated Weathering	ISO 11341	Pass-1000 hours
Exterior Durability	AAMA2604	Pass-5 year Florida exposure 45°S

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Corrosion Tests	Acetate Acid Salt Spray	ISO 9227	Pass-1000 hours
	Salt Spray Resistance	ASTM B117	Pass-3000 hours
Pre-treatment	For maximum protection, it is essential to pretreat components prior to the application of Interpon D2015. Aluminum components should receive a full multi-stage chromate conversion coating or suitable chrome-free pre-treatment to clean and condition the substrate.		
Application	Interpon D2015 powders can be applied by manual or automatic electrostatic spray equipment, however for consistency of finish automatic equipment is preferred. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.		
	Fluidizing air pressure	~0.7 bar	
	Transport air pressure	~0.7bar	
	Recommended voltage	40-90kV	
Damage Repair	Surface preparation	Sanding + Air cleaning	
	Application	Recoat : Lower Voltage	
Safety Precautions	When using, do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation wear suitable respiratory equipment. For further information please refer to the specific product Material Safety Data Sheet (MSDS) available on request from your local AkzoNobel sales office.		
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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