

# Product Datasheet



## BU Powder Coatings Interpon D2015 Ultriva™

**AkzoNobel**  
Tomorrow's Answers Today

### Product Description

**Interpon D2015 Ultriva™** is a series of advanced durability powder coatings specifically designed for use on architectural aluminium components. Providing new levels of weathering resistance, **Interpon D2015 Ultriva™** typically exceeds the requirements of AAMA2604-02 and surpasses the performance of all leading architectural powder coatings. **Interpon D2015 Ultriva™** 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 Ultriva™** powder coatings are available in a selected range of colours and pearlescent effects in gloss, satin or matt finishes.

### Powder properties\*

<b>Chemical type</b>	Polyester
<b>Particle size</b>	Suitable for electrostatic spray
<b>Specific gravity</b>	1.2 - 1.7 depending on colours
<b>Storage</b>	Dry cool conditions (below 30°C)
<b>Shelf Life</b>	18 months
<b>Sales code</b>	Y-Series
<b>Stoving Schedule</b>	15 mins at 190°C (Object temperature) 10 mins at 200°C 8 mins at 210°C

### Film properties

Mechanical and chemical tests carried out on chromated aluminium panels. All tests are performed on panels coated with 60 to 80 microns of a gloss finish powder coating stoved for 10 minutes at 200°C (metal temperature). **Interpon D2015 Ultriva™** powder coatings are designed to exceed the requirements of AAMA2604-02.

### Mechanical tests\*

<b>Dry Adhesion</b>	AAMA2604 Clause 7.4	Pass no removal of film
<b>Impact resistance</b>	AAMA2604 Clause 7.5	Pass-no tape removal of film to substrate following 0.1" deformation
<b>Dry Film hardness</b>	ISO2815 (Buchholz)	Pass
<b>Abrasion resistance</b>	AAMA2604 Clause 7.6	Pass-abrasion coefficient >20

### Chemical Durability Tests\*:

<b>Salt Spray</b>	AAMA2604 Clause 7.8.2 ASTM B117 at 35°C D1654	Pass at 3000 hrs - no corrosion more than 1.0-2.0 mm from scribe Minimum blister rating 8
<b>Constant Humidity Resistance</b>	AAMA2604 Clause 7.8.1 ASTM D2247, ASTM D714	Pass at 3000 hrs - blister formation less than "few" size no 8.
<b>Permeability</b>	AS3715 2002	Pass
<b>Sulphur Dioxide</b>	ISO3231 (Kesternich)	Pass - no blistering, loss of gloss or discolouration.
<b>Chemical Resistance</b>		Generally good resistance to acids, alkalis and oils at normal temperatures
<b>Exterior durability</b>	5 years Florida exposure AAMA 2604-02	Excellent performance, Colour change $\Delta E$ less than 5, gloss retention >30%. Chalking - none in excess of no.8 ASTM D4214 - D659
<b>Colour stability at elevated temperatures</b>		Excellent for continuous exposure up to 120°C

*Interpon D2015 Ultriva™  
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**Interpon**  
powder coatings  
**EVERY COLOR IS GREEN**

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**Pre-treatment**

For maximum protection it is essential to pretreat components prior to the application of **Interpon D2015 Ultriva™** in accordance with the **Interpon D** Approved Applicators Manual. Aluminium components must receive a full multi-stage chromate conversion coating to clean and conditions the substrate. Detailed advice should be sought from the pretreatment supplier.

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**Application**

**Interpon D2015 Ultriva™** powder coatings can be applied by manual or automatic electrostatic spray equipment. Unused or over-sprayed powder coating can be reclaimed and recycled through the coating system.

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**Additional Information**

A 15-year product performance warranty is available to **Interpon D** Approved Applicators. For further information please contact your local Akzo Nobel sales office.

**Interpon D2015 Ultriva™** powder coatings as supplied by Akzo Nobel contain no organic solvents and are significantly below the VOC limits for painted surfaces as specified in the Credit No IEQ11 Green Star – Office Interiors v1.1 and IEQ13 (Volatile Organic Compounds) for the Green Star – Office Design v3 & Office As-Built v3.

**Interpon D2015 Ultriva™** powder coatings can qualify for two (2) green star credit points as outlined in IEQ11.

**Interpon D2015 Ultriva™** powder coatings can qualify for one (1) green star credit point as outlined in IEQ13.



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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 AkzoNobel has provided to its customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact AkzoNobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows. All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapors resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in AS3754:1990, "Safe Application of Powder Coatings by Electrostatic Spraying".

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**Disclaimer**

Unless otherwise agreed by us in writing, any contract to purchase products referred to in this brochure and any advice which we give in connection with the supply of products are subject to our standard conditions of sale. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

\* Typical minimum specifications. Performance may vary slightly between individual products.

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