

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*

Chemical type	Polyester
Particle size	Suitable for electrostatic spray
Specific gravity	1.2 - 1.7 depending on colours
Storage	Dry cool conditions (below 30°C)
Shelf Life	18 months
Sales code	Y-Series
Stoving Schedule	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*

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

Chemical Durability Tests*:

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

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Interpon
powder coatings
EVERY COLOR IS GREEN

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.

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.

Additional Information

A 20-year film integrity / 15-year colour 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 AkzoNobel contain no organic solvents and can contribute toward satisfying the IEQ credits in the following Green Star® rating tools:

IEQ11 Office Interiors v1.1
IEQ13 Office Design v2
IEQ13 Office As-Built v2
IEQ8 Multi Unit Residential v1

IEQ8 Education v1
IEQ8 Retail Centre v1
IEQ8 Healthcare v1
IEQ8 Industrial v1

Note: Products are not reviewed or certified under the Green Star® rating system. Green Star® credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information on Green Star®, visit www.gbca.org.au.



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".

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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