

Product Datasheet



BU Powder Coatings

AkzoNobel
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Interpon D2000 Gloss/Satin/Matt

Product Description

Interpon D2000 is a series of high durability powder coatings specifically formulated for use on architectural aluminium components. Conforming with the performance requirements of the AAMA2604.2 specification. **Interpon D2000** gives superior durability and colour retention. **Interpon D2000** powders are available in a 31 shade standard colour range.

Powder Properties

Particle Size	Suitable for electrostatic spray
Gloss	Gloss 85 ± 5 Satin 60 ± 5 Matt 25 ± 5
Specific gravity	1.2 – 1.9 g/cm ³ depending on colour
Storage	Dry cool conditions below 30°C
Shelf life	18 months
Sales Code	Q & Y series
Stoving schedule (object temperature)	20 minutes at 180°C 15 minutes at 190°C 10 minutes at 200°C 8 minutes at 210°C

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	Aluminium
Pretreatment	Chromate
Film Thickness	60 microns
Stoving	10 minutes at 200°C (object temperature)

Mechanical Tests

Dry Adhesion	AAMA2604.02, 7.4.1.1	Pass - Gt 0
Abrasion Resistance	AAMA2604.02, 7.6	Pass - abrasion co-efficient >20
Dry Film Hardness	AAMA2604.02, 7.3 ASTM D3363	Pass - no rupture of film
Impact	AAMA2604.02, 7.5	Pass - no tape removal of film to substrate following 0.1" deformation

Chemical and Durability Tests

Salt Spray	ASTM B117 AAMA2604.02, 7.8.2 ASTM D1654	Pass at 3000 hours - no corrosion more than 1.6mm from scribe. Minimum blister rating 8
Constant Humidity	ASTM D2247 ASTM D714 AAMA2604.02, 7.8.1	Pass at 3000 hours - blister formation less than "few" size no. 8
Boiling Water Adhesion	AAMA2604.02, 7.4.1.3	Pass - no blistering, Gt 0
Wet Adhesion	AAMA2604.02,	Pass - no blistering, Gt 0 7.4.1.2
Muriatic Acid Test	AAMA2604.02, 7.7.1 change in appearance	Pass - no blistering. No
Nitric Acid Resistance	AAMA2604.02, 7.7.3 ASTM D2244	Pass - ΔE (Hunter) <5
Detergent Resistance	AAMA2604.02, 7.7.4	Pass - no blistering, no adhesion loss

Interpon
powder coatings
EVERY COLOR IS GREEN

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	Exterior Durability	5 years Florida exposure AAMA2604.02, 7.9	Excellent performance. Colour change ΔE (Hunter) <5. Gloss retention >30%. Chalking - none in excess of No.8 ASTM D4214:89
	Colour Stability at elevated temperatures		Good
Pretreatment	For maximum protection it is essential to pretreat components prior to the application of Interpon D2000 . Aluminium components should receive a full multi-stage chromate conversion coating or suitable chrome-free pre-treatment to clean and condition the substrate. Detailed advice should be sought from the pre-treatment supplier.		
Application	Interpon D2000 is designed for specific application by Trasmetal Disc. Only one spray run and one batch of powder should be used for components going on the same building. Certain finishes are not suitable for recycling and advice must be sought from the supplier.		
Safety Precautions	Please consult the Material Safety Datasheet (MSDS)		

FOR PROFESSIONAL USE ONLY

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 advice 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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