

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 AAMA2604.98 specification, **Interpon D2000** gives superior exterior durability and colour retention. **Interpon D2000** powders are available in 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 25°C
	Shelf life	6 months
	Sales Code	Q & Yseries
	Stoving schedule	20 minutes at 180°C
	(object temperature)	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)

Interpon D2000 powders are formulated to meet fully the requirements of AAMA2604.98.

Mechanical Tests:	Dry Adhesion	AAMA2604.98, 7.4.1.1	Pass - Gt 0
	Abrasion Resistance	AAMA2604.98, 7.6	Pass - abrasion co-efficient >20
	Dry Film Hardness	AAMA2604.98, 7.3 ASTM D3363	Pass - no rupture of film
	Impact	AAMA2604.98, 7.5	Pass - no tape removal of film to substrate following 0.1" deformation

Chemical and Durability Tests:	Salt Spray	ASTM B117 AAMA2604.98, 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 AAMA2604.98, 7.8.1	Pass at 3000 hours - blister formation less than "few" size no. 8
	Boiling Water Adhesion	AAMA2604.98, 7.4.1.3	Pass - no blistering, Gt 0
	Wet Adhesion	AAMA2604.98, 7.4.1.2	Pass - no blistering, Gt 0
	Muriatic Acid Test	AAMA2604.98, 7.7.1	Pass - no blistering. No change in appearance
	Nitric Acid Resistance	AAMA2604.98, 7.7.3 ASTM D2244	Pass - ΔE (Hunter) <5
	Detergent Resistance	AAMA2604.98, 7.7.4	Pass - no blistering, no adhesion loss

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Exterior Durability	5 years Florida exposure AAMA2604.98, 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 pretreatment to clean and condition the substrate. Detailed advice should be sought from the pretreatment supplier.

Application: **Interpon D2000** powders can be applied by manual or automatic electrostatic spray equipment. 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 customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel 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 vapours 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 the "Code of Safe Practices" issued by the British Coatings Federation, copies of which are available on request.

Disclaimer: The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this 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. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.