Interpon D3000 – Fluoromax

Product Description:	Interpon D3000 - Fluoromax is a series of hyper-durable powder coatings designed to meet the requirements of AAMA2605-02, the most demanding architectural specification in the world.				
	Akzo Nobel's Fluoromax technology, which uses innovative fluorocarbon polymer chemistry, ensures the system will provide the maximum gloss and colour retention in service. Designed to protect architectural aluminium components. Interpon D3000 - Fluoromax exploits the recognised benefits of powder coatings to give excellent cosmetic and functional protection.				
	Available in a selected range of colours, metallic effects and gloss levels Interpon D3000 - Fluoromax is a technically and environmentally benign alternative to liquid PVF2 systems.				
Powder Properties:	Particle size	Suitable for electrostati	c sprav		
rowder roperties.	Specific gravity	1.2-1.7 g/cm ³ depending on colour			
	Storage	Dry cool conditions bel			
	Shelf life	6 months	6w 25 C		
	Sales Code	8 series			
	Stoving schedule	20 - 40 minutes at 190	°C		
	otoving soliculie	12 - 20 minutes at 200°			
		10 - 18 minutes at 210°			
		(object temperature)	0		
	Recommended Film	50-75 microns			
	Thickness				
	*Standard Gloss Level	$35 + 5 \text{ on a } 60^{\circ} \text{ head}$			
	*please refer to individua				
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 – 80 microns			
	Stoving schedule	12 minutes at 200°C (m	netal temperature)		
Mechanical Tests:	Dry Adhesion	AAMA2605-02 7.4	Pass – no removal of film		
	Impact Resistance		Pass - no tape removal of		
			film to substrate following 0.1"deformation		
	Dry Film Hardness	ISO2815 (Buchholz)	Pass		
	Abrasion Resistance	AAMA2605-02 7.6	Pass – abrasion coefficient >20		
Chemical and	Salt Spray	AAMA2605-02 7.8.2	Pass at 4000 hours -		
Durability Tests:		ASTM B117 at 35°C	no corrosion more than		
, j ·			1.0 – 2.0mm from scribe		
	Constant Humidity	AAMA2605-02 7.8.1	Minimum blister rating 8 Pass at 4000 hours - blister		
	Constant Humidity				
	Resistance	ASTM D2247	formation less than "few"		
	Dormoobility	ASTM D714	size no. 8		
	Permeability	AS3715 2002	Pass Dass no blistoring loss of		
	Sulphur Dioxide	ISO3231 (Kesternich)	Pass - no blistering, loss of		
	Chemical Resistance		Gloss or discolouration		
	Unemical Resistance		Generally good resistance		
			To acids, alkalis and oils at		
			At normal temperature		

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	Exterior Durability	10 years Florida Exposure AAMA2605-02	Excellent performance colour change Delta E <5,gloss retention >50%. Chalking - none in excess of No.8 for colours, No. 6 for whites ASTM D4214:D658	
	Colour Stability at elevated temperature	es	Good	
Pretreatment:	application of Interpo receive a full multi-st	n D3000 - Fluorom age chromate conve clean and condition	pre-treat components prior to the bax. Aluminium components must ersion coating or suitable chrome- in the substrate. Detailed advice upplier.	
Application:	electrostatic spray en reclaimed using suit system. For mixed of sought from the manu- for recycling. For all sought as to the correc Interpon D3000 - Flu hence it will not cha Please contact Akzo	Interpon D3000 - Fluoromax can be applied by manual or automatic electrostatic spray equipment. For solid shades, unused powder can be reclaimed using suitable equipment and recycled through the coating system. For mixed colours and certain special finishes, advice must be sought from the manufacturer, as to the suitability or otherwise of the product for recycling. For all mixed colour/special effect systems, advice must be sought as to the correct mixing ratio for virgin/reclaim powder. Interpon D3000 - Fluoromax is based on fluorocarbon polymer chemistry hence it will not charge through conventional PTFE based tribo systems. Please contact Akzo Nobel technical department or consult with equipment supplier for alternatives.		
Safety Precautions:	insufficient ventilation	wear suitable respiration please refer to the s	o not breathe the dust. In case of atory equipment. specific product Material Safety	
Disclaimer:	product for any purpose oth obtaining written confirmation does so at his own risk. Will product (whether in this she or condition of the substrate Therefore, unless we speci- whatsoever or howsoever a (other than death or person	her than that specifically re on from us as to the suitab hilst we endeavour to ensu- eet or otherwise) is correct e or the many factors affect fically agree in writing to do trising for the performance al injury resulting from our pontained in this sheet is lia	be exhaustive and any person using the commended in this sheet without first illity of the product for the intended purpose irre that all advice we give about the we have no control over either the quality ting the use and application of the product. to so, we do not accept any liability of the product or for any loss or damage negligence) arising out of the use of the ble to modification from time to time in the ict development.	

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