



BU Powder Coatings Interpon D1036 Metallic Code: SW404I D1036 BUG MIC BRONZO BOND

Product Description	Interpon D1036 Metallic is a range of powder coatings intended for use on architectural aluminium galvanised steel. Available in a wide stock range Interpon D1036 Metallic has been specifically formu without the use of TGIC. As part of the Interpon D series of architectural powders, Interpon D1036 Met gives excellent exterior durability and colour retention and conforms with the requirements of all the n European architectural finishing standards.				
	Interpon D1036 stabilized metallic(AS-BOND) powders share the properties of standard Interpon D1036 powders, but compared to conventional metallic and special effect powders, Interpon D1036 Metallic AS-Bond grade products have improved reproducibility between different application conditions, and improved colour stability, gloss and finish effect even after recycling.				
	The AC version (Advanced Cavity) improved coverage in Faraday Cage areas. The AF version (Advanced Fluidity) improved flow for application process.				
	All Interpon D1036 Metallic powders are formulated to meet fully the requirements of BS6496:1984, BS6497:1984, Qualicoat Class 1 and GSB.				
Powder Properties	Chemical type Particle size Specific gravity Storage Shelf life		epending on colour ons below 35°C and in a sealed box		
	Stoving schedule (object temperature)	12 months below 35°C pea Matt : 15-30 minu : 12-24 minu : 10-20 minu	ak temperature utes at 180°C ites at 190°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 (0.5-0.8mm Al	Ma1)		
	Pretreatment Chromate				
	Film Thickness	60-80microns			
	Stoving10 minutes at 200°C (object temperature)		ect temperature)		
Mechanical Tests	Adhesion	ISO2409 (2mm Crosshatch)	Gt 0		
	Erichsen Cupping	ISO1520	Pass>5mm		
	Hardness	ISO2815	Minimum 80		
	Impact	ASTM D2794 and	Pass 2.5 joules reverse & direct or 20 inch pounds		
	Flexibility	ISO1519	Pass 5mm		

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Corrosion Tests	Salt Spray	ISO 7253	Pass at 1000 hours – no corrosion area more than 2mm from scribe
	Acetic Acid Salt	ISO9227	Pass at 1000 hours <16 mm ² corrosion/10cm
		ISO6270	Pass at 1000 hours - no blistering
			Creep <1mm from scribe
	•	ISO 3231	Pass 30 cycles – no blistering, creep <1mm from scribe
	-	Pressure Cooker EN12206-1:2004 Part 5.10	Pass – no defects after 1 hour (2 hours boiling water)
	Chemical Resistance	Generally good resistance	e to acid, alkalis and oils at normal temperatures
	Mortar Resistance	EN12206-1:2004 Part 5.9	No effect after 24 hours
Weathering Tests		ISO2810 (Florida 12 months 5° sou	≥50% Gloss retention. uth) Colour retention in accordance with GSB or Qualicoat Chalking – none in excess of minimum in ASTM D659:1980
	Accelerated Weathering Test	Suntest Original – Hanau-Quartzlampen ISO11341	≥50% Gloss retention after 1000 hours
		QUV B313	≥50% Gloss retention after 300 hours
	Light Fastness	DIN54004	Minimum 7
Pretreatment		uminium components sho ee pre-treatment or suitab	chitectural components prior to the application of uld receive a full multi-stage chromate conversion le pre-anodising to clean and condition the substrate.
Pretreatment	$\alpha\beta\chi\delta$ D1036 Metallic. All coating, suitable chrome-fr Detailed advice should be a Galvanised steel requires a or chromate conversion or of anti-bubbling additives n $\alpha\beta\chi\delta$ D1036 Metallic produces the statemet of the	uminium components sho ee pre-treatment or suitab sought from the pre-treatm surface preparation by eith controlled sweep blasting nay be required – follow th ucts may also be used on	uld receive a full multi-stage chromate conversion ole pre-anodising to clean and condition the substrate. nent supplier. ner multi-stage pretreatment using either zinc phosphate . Depending on the type of galvanizing, degassing or use ne procedural advice of the pre-treatment supplier.
Pretreatment Application:	$\alpha\beta\chi\delta$ D1036 Metallic. All coating, suitable chrome-fr Detailed advice should be Galvanised steel requires s or chromate conversion or of anti-bubbling additives n $\alpha\beta\chi\delta$ D1036 Metallic produces For outdoor use $\alpha\beta\chi\delta$ PZ or recommended.Interpon D1036 Metallic fluidised bed application sy on the type of components standard. The following procedures with fluidised bed applicati Gun voltage: 70-80KV Nozzle type: flat jet Transportation powder : 1,	uminium components sho ee pre-treatment or suitab sought from the pre-treatm surface preparation by eith controlled sweep blasting nay be required – follow th ucts may also be used on or APP120 anti-corrosive p powders can be applied to ystem. The actual applica is and with each powder b e is given as a guideline on system: Bar 5-2 Bar	uld receive a full multi-stage chromate conversion of pre-anodising to clean and condition the substrate. nent supplier. ner multi-stage pretreatment using either zinc phosphate . Depending on the type of galvanizing, degassing or use ne procedural advice of the pre-treatment supplier. cast or mild steel.
	$\alpha\beta\chi\delta$ D1036 Metallic. All coating, suitable chrome-fr Detailed advice should be a Galvanised steel requires a or chromate conversion or of anti-bubbling additives in $\alpha\beta\chi\delta$ D1036 Metallic production For outdoor use $\alpha\beta\chi\delta$ PZ or recommended.InterponD1036 Metallic fluidised bed application standard.InterponD1036 Metallic fluidised bed application standard.The following procedure with fluidised bed applicati Gun voltage: 70-80KV Nozzle type: flat jet Transportation air : 2-2,5 E Transportation powder : 1, We recommend to contactThe use of direct box fee powder homogeneity, emp should be used for compo	uminium components sho be pre-treatment or suitab sought from the pre-treatm surface preparation by eith controlled sweep blasting hay be required – follow th ucts may also be used on or APP120 anti-corrosive p powders can be applied to ystem. The actual applica s and with each powder b e is given as a guideline on system: Bar 5-2 Bar : Akzo Nobel Coatings S.p d equipment may not rep by the boxes totally into th nents that are going to be	A puld receive a full multi-stage chromate conversion one pre-anodising to clean and condition the substrate. Iner multi-stage pretreatment using either zinc phosphate . Depending on the type of galvanizing, degassing or use the procedural advice of the pre-treatment supplier. I cast or mild steel. For mer over a correctly prepared substrate is a correctly prepared substrate is by manual or automatic electrostatic spray equipment with tion parameters must be adapted and adjusted dependin atch in order to give a finish in accordance with our color the when using a corona electrostatic spray equipmer

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Post Application	For specific advice on the
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suitability of post coating processes such as bending or the use of sealants, adhesives, thermal break, cleaning, etc. please consult Akzo Nobel

Safety Precautions Please consult the Material Safety Datasheet (MSDS)

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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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