Product Datasheet



BU Powder Coatings

Interpon D1036 Textured

Code: SWA03JR D1036 GO MIC NERO BOND TR

Product Description

Interpon D1036 Textured effects powder coating finishes, with fine and coarse aspect, are specifically formulated for use on architectural metal components.

The **Interpon D1036** range of polyester powder coatings has been specifically formulated without TGIC. **Interpon D1036 Textured** coatings give excellent exterior durability and colour retention and conform to the requirements of all the major European architectural finishing standards. **Interpon D1036 Textured** coatings save a superior scratch resistance to many conventional systems.

The **AC** version (Advanced Cavity) improved coverage in Faraday Cage areas. The **AF** version (Advanced Fluidity) improved flow for application process.

Interpon D1036 powders are lead-free and meet the requirements of GSB, Qualicoat Class 1 and EN12206 (formerly BS6496), BS6497:1984

Powder Properties

Chemical type	Polyester		
Gloss (60°) ISO2813	•		
Particle Size	Suitable for electrostatic spray		
Specific gravity	1.5 – 1.6 depending on colour		
Storage	Dry, cool conditions		
Shelf life	24 months below 30°C peak temperature		
	12 months below 35°C peak temperature		
Stoving schedule	20-40 minutes at 180°C		
(object temperature)	12-24 minutes at 200°C		
	8-14 minutes at 210°C		

Test Conditions

Substrate

Pretreatment

Film Thickness

Chemical Resistance

Mortar Resistance

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.

Aluminium (0.5-0.8mm Al Mg1)

EN12206-1:2004 Part 5.9

Chromate

70-80microns

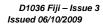
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Stoving	12 minutes at 200°C (object temperature)			
Adhesion	ISO2409 (2mm Crosshatch)	Pass Gt 0		
Erichsen Cupping	ISO1520	Pass>6mm		
Hardness	ISO2815	Minimum 80		
Impact	ASTM D2794	Pass 2.5 joules reverse & direct or 20 inch pounds		
Flexibility	ISO1519	Pass 5mm		
Salt Spray	ISO 7253	Pass at 1000 hours - no corrosion area more than 2mm from scribe		
Acetic Acid Salt Spray	ISO9227	Pass at 1000 hours <16 mm ² corrosion/10cm		
Constant Humidity	ISO6270	Pass at 1000 hours - no blistering, creep<1mm		
Sulphur Dioxide	ISO3231	Pass 30 cycles – no blistering, creep<1mm from scribe		
Permeability	Pressure Cooker EN12206-1.2004 Part 5.10	Pass – no defects after 1 hour (2 hours boiling water)		

Generally good resistance to acid, alkalis and oils at normal temperatures

No effect after 24 hours

Corrosion Tests

Mechanical Tests





D1036 Textured

Weathering Tests	Exterior Durability	ISO2810 (Florida 12 5° South)	≥50% gloss retention. 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		
	Light Fastness	QUV B313 DIN54004	≥50% gloss retention after 300 hours Minimum 7		
	Textured. Aluminium components should receive a full multi-stage chromate conversion coating or suitable chrome-free pre-treatment or suitable pre-anodising to clean and condition the substrate. Detailed advice should be sought from the pre-treatment supplier. Galvanised steel requires surface preparation by either multi-stage pretreatment using either zinc phosphate or chromate conversion or controlled sweep blasting. Depending on the type of galvanizing, degassing or use of anti-bubbling additives may be required – follow the procedural advice of the pretreatment supplier. Interpon D1036 Textured products may also be used on cast or mild steel. For outdoor use Interpon PZ or				
Application	APP120 anti-corrosive primer over a correctly prepared substrate is recommended. Interpon D1036 Textured effect powders must be applied by conventional electrostatic or tribostatic spray				
		pplication parameters give fluidising air pressure transport air pressure additional air pressure voltage cured film thickness	en below: 1.0-2.0kg/cm ² 0.5-0.8kg/cm ² 0.4-0.8kg/cm ² 40-60kV 70-90 microns		
	For solid shades unused powder can be reclaimed using suitable equipment and recycled through the coating system. To ensure good final results, the surface coated must be as uniform as possible. The thickness of the film must be checked as under thickness or over thickness can lead to a difference in the gloss and in the final aspect.				
Post Application	For specific advice on	the suitability of post coa	ing processes such as bending or the use of sealants,		

FOR PROFESSIONAL USE ONLY

Safety Precautions

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.

adhesives, thermal break, cleaning etc. Please consult Akzo Nobel.

Please consult the Material Safety Datasheet (MSDS)

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