

Interpon D Gloss/Satin/Matt

Product Description: The **Interpon D** series of powder coatings is specially formulated for use on architectural aluminium and galvanised steel. Conforming with the performance requirements of the British Standards (BS6496 & BS6497), AWA (1976) and Qualicoat specifications, **Interpon D** gives excellent exterior durability and colour retention. **Interpon D** powders are available in a wide range of RAL and BS shades in Gloss, Satin and Matt finishes. Other products in the **Interpon D** series are also available.

Interpon D Gloss, Satin and Matt powders are formulated to meet fully the requirements of BS6496:1984, BS6497:1984 and Qualicoat Class 1.

Powder Properties:	Chemical type	Polyester
	Particle size	Suitable for electrostatic spray
	Gloss	Gloss - 80±5 Satin - 60±5 Matt - 30±5
	Specific gravity	1.2-1.9 g/cm ³ depending on colour
	Storage	Dry cool conditions below 25°C
	Shelf life	12 months
	Sales Code	L-series
	Stoving schedule (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.

Mechanical Tests:	Substrate	Aluminium	
	Pretreatment	Chromate	
	Film Thickness	60 microns	
	Stoving	10 minutes at 200°C (object temperature)	
	Adhesion	BS EN ISO 2409 (2mm Crosshatch)	Gt 0
	Erichsen Cupping	ISO 1520	Pass >7mm
	Hardness	BSENISO 1518 (4000gms)	Pass - no penetration to substrate
	Impact	ASTM D2794	Pass 2.5 joules direct and reverse
	Flexibility	ISO6860 (Conical Mandrel)	Pass 3mm
	Chemical and Durability Tests:	Salt Spray	ISO7253
Acetic Acid Salt Spray		ISO9227	Pass at 1000 hours - no corrosion area more than 2mm from scribe
Cyclic Humidity		ISO6270	Pass at 1000 hours - no blistering or loss of gloss
Distilled Water		ISO2812-1	Pass - no blistering or loss of gloss after 240 hours
Sulphur Dioxide		ISO3231	Pass - no blistering, loss of gloss or discoloration after 240 hours

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Chemical Resistance		Generally good resistance to acids, alkalis and oils at normal temperatures
Exterior Durability	ISO2810 Clause 4.10 12 months Florida 45°S	Excellent performance. Slight even loss of gloss, no checking, cracking or flaking. Chalking - none in excess of minimum in ASTM D659:1980
Colour Stability at elevated temperatures		Excellent

Pretreatment: For maximum protection it is essential to pretreat architectural components prior to the application of **Interpon D**. 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.

Galvanised steel also requires multi-stage pretreatment using either zinc phosphate or chromate conversion. Degassing of galvanised steel prior to powder application is considered mandatory - follow the procedural advice of the pretreatment supplier.

Interpon D products may also be used on mild steel fabrications for non-architectural applications, nevertheless zinc phosphate pretreatment is regarded as essential.

Application: **Interpon D** can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

Additional Information: **Interpon D** powder coatings are also available in qualities conforming to the German GSB quality standard and performance specification. For full details of all approved products please contact Akzo Nobel.

Safety Precautions: When using do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation wear suitable respiratory equipment. For further information please refer to the specific product Material Safety Data Sheet (MSDS).

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.