

Interpon D525 Matt

Product Description: **Interpon D525 Matt** is a series of ultra-durable powder coatings specifically formulated for use on architectural aluminium components. Providing new levels of weathering resistance **Interpon D525 Matt** surpasses the performance of all leading architectural powders. It offers significantly higher gloss retention and resistance to colour change combined with maximum film integrity to ensure long term cosmetic and functional protection. The **Interpon D525** range was the first to be awarded the prestigious Qualicoat, Class 2 approval for ultra durable architectural powder coatings.

Powder Properties:	Chemical type	Polyester
	Particle size	Suitable for electrostatic spray
	Gloss	25±5
	Specific gravity	1.2 – 1.9 g/cm ³ depending on colour
	Storage	Dry cool conditions below 30°C peak temperature
	Shelf life	12 months
	Sales Code	Q Series
	Stoving schedule (object temperature)	20 minutes at 180°C 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)

Mechanical Tests:	Dry Adhesion	ISO2409	Pass Gt 0
	Erichsen Cupping	ISO1520 and Qualicoat, Class 2	Pass
	Dry Film Hardness	ISO2815 (Buchholz)	Pass > 80
	Impact	ASTM D2794 and Qualicoat, Class 2	Pass
	Flexibility	ISO1519 and Qualicoat, Class 2	Pass

Chemical and Durability Tests:	Salt Spray	ASTM B117	Pass at 3000 hours - no corrosion more than 1.6mm from scribe. Minimum blister rating 8
	Acetic Acid Salt Spray	ISO9227	Pass at 1000 hours - <16mm ² corrosion/10cm
	Cyclic Humidity	DIN50017	Pass at 1000 hours – no Corrosion area > 1mm from scribe
	Permeability	Pressure cooker Qualicoat 2.16	Pass – no defects after 1 hour
	Sulphur Dioxide	ISO3231 (Kesternich)	Pass – no blistering, loss of gloss or discoloration

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Chemical Resistance	Generally good resistance to acids, alkalis and oils at normal temperatures
Exterior Durability	Exceeds Qualicoat Class 2 requirements after 3 years Florida exposure
Colour Stability at elevated temperatures	Excellent

Pretreatment: For maximum protection it is essential to pretreat components prior to the application of **Interpon D525 Matt**. Aluminium components should receive a full multi-stage chromate conversion coating or suitable chrome-free pre-treatment to clean and condition the substrate. Detailed advice should be sought from the pre-treatment supplier.

Application: **Interpon D525 Matt** powders 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 effect finishes, advice must be sought from the manufacturer, as to the suitability or otherwise of the product for recycling. Certain special effect finishes may not be suitable for recycling. For all mixed colour/special effect systems, advice must be sought as to the correct mixing ratio for virgin/reclaim powder.

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.