Collection Futura 2006-2009

Interpon D2525 Smooth & Metallic

The information given in this datasheet is generic for the range **Interpon D2525 Smooth & Metallic.** Specific products within the range can vary from the generic. For these products individual product datasheets are available

Product Description:

Collection **Futura 2006-2009** is a range of 48 special effect finishes 5 of which are **Interpon D2525 Smooth & Metallic**.
Interpon D2525 is a series of ultra-durable powder coatings specifically formulated without TGIC, for use on architectural aluminium components. Providing new levels of weathering resistance **Interpon D2525** 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 D2525** range was the first to be awarded the prestigious Qualicoat, Class 2 approval for ultra durable architectural powder coatings.

Interpon D2525 Smooth-& Metallic finishes from **Collection Futura**:
Matt : **Corricella YW252F Ghardaïa YW253F Havana YW251F**
Gloss : **Bamemga YW051F Portobello YW050F**

Powder Properties:

Chemical type	Polyester
Particle size	Suitable for electrostatic spray
Gloss	Gloss: 90±5 Matt: 25±5
Specific gravity	1.2 – 1.9 g/cm^3 depending on colour
Storage	Dry cool conditions
Shelf life	18 months below 30°C peak temperature 12 months below 35°C peak temperature
Sales Code	Y Series
Stoving schedule (object temperature)	12-25 minutes at 190°C 10-20 minutes at 200°C 8-16 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 (0.5-0.8mm Al Mg1)
Pretreatment	Chromate
Film Thickness	60-80microns
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	ISO7253	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

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Constant Humidity	ISO6270	Pass at 1000 hours – no Corrosion area > 1mm from scribe
Permeability	Pressure cooker EN12206-1 2004 (5.1)	Pass – no defects after 1 hour
Sulphur Dioxide	ISO3231 (Kesternich)	Pass – no blistering,loss of gloss or discoloration
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 D2525** 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 D2525 Smooth & Metallic powders from **Collection Futura** can be applied by manual or automatic electrostatic spray equipment. unused powder can be reclaimed upto a maximum of 30%, using suitable equipment Please consult Akzo Nobel for further details as to the correct mixing ratio for virgin/reclaim powder.

Safety Precautions:

Please consult the Material Safety Datasheet (MSDS) PC010

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.

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