

Product Datasheet

Collection Futura 2010 - 2013



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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 datasheet are available

Product Description

Collection **Futura 2010-2013** is a range of 50 special effect finishes, 29 of which are **Interpon D2525 Smooth & Metallic**

Interpon D2525 is a series of ultra-durable powder coatings specifically formulated without TGIC, with smooth aspect, 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.

Interpon D2525 Smooth & Metallic from **Collection Futura** are powder coating finishes in matt, satin or full gloss, with metallic or mixed-powder appearance.

The **Interpon D2525** range was the first to be awarded the prestigious Qualicoat, Class 2 approval for ultra durable architectural powder coatings and conforms to the requirements of EN12206 and EN13438 (high durability systems) GSB Master and AAMA 2604-5.

Interpon D2525 Smooth & Metallic finishes from **Collection Futura 2010-2013**:

Gloss

Halamhera 2525	YW052F	Gris 29770 Chiné	YX051F
Galet 2525	YX050F	Acier 2525	YW150F
Portobello 2525	YW050F		

Matt

Grazalema 2525	YW266F	Aquadisiac 2525	YW278F
Meneles 2525	YW267F	Canon 2525	YW279F
Faro 2525	YW268F	Manganese 2525	YW280F
Mangalia 2525	YW269F	Champagne 2525	YW281F
Irrawaddy 2525	YW270F	Atlante 2525	YW282F
Toledo 2525	YW271F	Bronze 2525	YW283F
Thar 2525	YW272F	Platine 2525	YW284F
Jaisalmer 2525	YW273F	Ghardaia 2525	YW253F
Himba 2525	YW274F	Silver 2525	YW206F
Sotho 2525	YW275F	Pyrite 2525	YW207F
Pacific Avenue 2525	YW276F	Havana 2525	YW251F
San Francisco 2525	YW277F	Golden Beach 2525	YW255F

Powder Properties

Chemical type	Polyester
Particle Size	Suitable for electrostatic spray
Gloss	Gloss 85-95 Satin 55-65 Matt 20-30
Specific gravity	1.2 – 1.9 g/cm ³ depending on colour
Storage	Dry, cool conditions
Shelf life	24 months below 30°C peak temperature 12 months below 35°C peak temperature
Sales Code	Y Series
Stoving schedule (object temperature)	15-35 minutes at 180°C 10-20 minutes at 200°C 8-16 minutes at 210°C

Interpon
powder coatings
EVERY COLOR IS GREEN

Interpon D2525 Smooth & Gloss

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.

Appearance	Smooth matt and gloss
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	Pass

Chemical and Durability Tests:

Salt Spray	ISO 7253	Pass at 3000 hours - no corrosion more than 1.6mm from scribe. Minimum blister rating = 8
Acetic Acid Salt	ISO9227	Pass at 1000 hours – <16 mm ² corrosion/10cm
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	ISO 3231 (Kesternich)	Pass – no blistering, loss of gloss or discoloration
Chemical Resistance		Generally good resistance to acid, 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 up to a maximum of 30% using suitable equipment and recycled through the system. 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)



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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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