

Product Data Sheet

AkzoNobel Powder Coatings

Interpon D2525 Gloss/ Satin/ Matt

Product Description	<p>Interpon D2525 Gloss/ Satin/ Matt is a range of durable powder coatings specially formulated without of TGIC for use on architectural aluminium components. Interpon Interpon D2525 Gloss/ Satin/ Matt is designed to offer significantly higher gloss retention and resistance to colour change combined with maximum film integrity to ensure long term cosmetic and functional protection.</p> <p>Interpon D2525 Gloss/ Satin/ Matt typically meet the performance requirement of AAMA 2604, and Qualicoat class 2 specifications.</p> <p>All Interpon D2525 Gloss/ Satin/ Matt powders are lead-free available in a selected range of color in full gloss such as high gloss, satin and matt finishes.</p>		
Powder Properties	Chemical type	Polyester	
	Gloss level	Depend on the color	
	Particle Size	Suitable for electrostatic spray	
	Specific gravity	1.2-1.75g/cm ³ depending on colour.	
	Storage	Dry, cool conditions (open boxes must be resealed)	
	Shelf life	12 months below 30°C	
	Curing schedule (at object temperature)	10 minutes at 200°C	
Mechanical Tests	Flexibility	ISO 1519 (cylindrical Mandrel) or ASTM D522	Pass 5mm
	Adhesion	ISO 2409/ ASTM D3359 (2mm Crosshatch)	Pass Gt0
	Erichsen cupping	ISO1520	Pass ≥3mm
	Impact resistance	ISO 6272 / ASTM D2784	Pass 2.5 Joules (reserve & direct) (20InP)
Environmental and Durability Tests	Acetic Acid Salt Spray	ISO 9227	<16 mm ² corrosion/10cm (1000 hrs)
	Neutral Salt Spray	ASTM B117-85	Pass 3000hrs-No corrosion creep more than 1.6mm from scribe line
	Constant Humidity	ISO 6270/ ASTM D2247	No blistering, creep <1mm (3000 hrs)
	Sulphur Dioxide	ISO 3231	Pass 30 cycles– no blistering, loss of gloss or discoloration
	Permeability	Pressure Cooker EN12206-2004	Pass-no defects after 1 hour
	Chemical Resistance		Generally good resistance to

		acid, alkalis and oils at normal temperatures.
Mortar Resistance	EN12206-2004	No effect after 24 hours
Accelerated Weathering	ISO16474-2	>90% Gloss retention (class 2)
Exterior Durability	ISO 2810	Meets qualicoat class 2 requirements after 3 years Florida
		Meets AAMA 2604-13 requirements after 5 years Florida
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.	
Substrate	Aluminum (0.8-1.0 mm Al Mg1)	
Pretreatment	Chrome free Qualicoat/GSB approved pretreatment	
Film thickness	60-80 microns (ISO 2360)	
Cure schedule	10 minutes at 200° C (object temperature)	
	Actual film performance will depend on the individual circumstances in which the product is used.	
Pre-treatment	<p>For maximum protection it is essential to pretreat components prior to the application of Interpon D2525.</p> <p>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.</p> <p>Interpon D2525 products may also be used on cast or mild steel. For outdoor use Interpon PZ anti-corrosive primer over a correctly prepared substrate is recommended</p>	
Application	<p>Interpon D2525 powders can be applied by manual or automatic electrostatic spray equipment. For solid shades, unused powder can be reclaimed up to a maximum of 30% using suitable equipment and recycled through the system. Please consult AkzoNobel for further details as to the correct mixing ratio for virgin/reclaim powder.</p> <p>Interpon D2525 powders should be applied at minimum 60µm.</p> <p>All powders can show small color differences from batch to batch, this is normal and unavoidable. While AkzoNobel take every precaution to minimize visible differences, this cannot be guaranteed. Applicators and fabricators are advised to use a single batch for parts that will be assembled together. Differences are more likely with special effect powders.</p> <p>Bonded products have better application properties than blended products (more stable) but attention should still be paid to line settings in order to avoid “marble effect” and changes in aspect after recycling. A constant ratio between virgin and recycled powders should be fixed by the coater in order to achieve a consistent effect. For more information, it is suggested to read the <i>Metallic Applications Guidelines</i>.</p> <p>Products with different codes should not be mixed even if same colour and gloss.</p>	
Post Application	For specific advice on the suitability of post coating processes such as bending or the use of sealants, adhesives, thermal break, cleaning etc. Please consult AkzoNobel.	

Maintenance	For specific advice on Cleaning and Maintenance, please consult the <i>Interpon D series Cleaning and Maintenance Guidelines</i> available from AkzoNobel.
Safety Precautions	Text as per local regulations
Disclaimer	<p>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 fulfil 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.</p> <p>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 advices 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.</p> <p>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel</p>

<http://www.interpon.com/contact-us/>

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Interpon D2525 Gloss/ Satin/ Matt - Issue 13

Last Revision Date: 20/03/2018