

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 810 LG ZF500QF Atomic

Product Description	<p>Interpon 810 LG is a range of high durability matte powder coatings, formulated without TGIC, and designed for exterior exposure. Tested against the most severe specifications, Interpon 810 LG gives significantly improved gloss retention and resistance to color change. Interpon 810 LG powders are available in a wide range of colors.</p>		
Powder Properties	Chemical type	Polyester TGIC Free	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	0 - 5	
	Recommended Film thickness	2.0 – 3.0 mils	
	Specific gravity	1.48 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	130 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months, typical	
	Curing schedule (at object temperature)	10- 15 minutes at 400°F 15- 18 minutes at 375°F	
Mechanical Tests	Flexibility	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	100 or better
	Hardness	ASTM3363	H minimum
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<1/16" creep, no blisters, at 500 hrs
	Humidity	ASTM D2247	No Change at 1000 hours
	Exterior Durability		Yes
Test Conditions	<p>Testing has been determined under laboratory conditions using the following application properties and is for guidance only.</p>		
	Substrate	CRS or Aluminum	
	Pretreatment	Iron Phosphate (B1000) or Zinc Phosphate (B952) for CRS. Chromate conversion for Aluminum	
	Film thickness	2.0 – 3.0 mils	
	Cure schedule	15 minutes at 375°F	
<p>Actual film performance will depend on the individual circumstances in which the product is used.</p>			
Pre-treatment	<p>Steel surfaces to be coated must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of Interpon 810 LG. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.</p> <p>Aluminum substrate may require a conversion coating.</p>		
Application	<p>Interpon 810 LG powders can be applied by manual or automatic electronic spray</p>		

equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

Additional Information

Interpon 810 LG powders have up to 5 years of Florida exposure with good gloss and color stability.

Key Product Attributes

Super-durable

Safety Precautions

Please consult the Safety Datasheet (SDS).

Disclaimer

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.

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Product Name: **ZF500QF**

Last Revision Date: **4/3/2017**

Revision Number: **2**

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