AkzoNobel Powder Coatings
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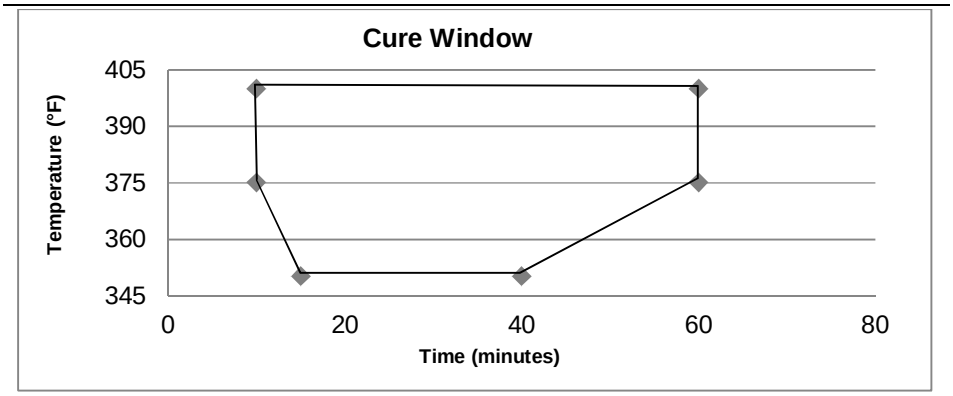
Product Data Sheet

AkzoNobel Powder Coatings

Interpon 810 LG
ZG200QF
COLONIAL RED

Product Description	**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.

Powder Properties	**Chemical type**	Polyester TGIC Free
	Appearance	smooth
	Gloss level (Gardner 60°)	4 - 8
	Recommended Film thickness	2.0 – 3.0 mils
	Specific gravity	1.57 +/-0.05 g/cm³
	Coverage @ 1.0 mil	122.5 sq.ft/lb/mil
	Storage	Maximum 80°F
	Shelf life	12 months, typical
	Curing schedule (at object temperature)	10 minutes at 400°F 15 minutes at 375°F 20 minutes at 350°F



Mechanical Tests	Test results were evaluated at 2.0 mils over ACT CRS B1000 P60 panels.		
	Flexibility	ASTM D522	1/4” mandrel at 90° bend
	Adhesion	ASTM D3359	5B
	Impact resistance (Direct)	ASTM 2794	80 in/lbs or better
	Impact resistance (Reverse)	ASTM 2794	up to 40 in/lbs
	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	Testing has been determined under laboratory conditions using the following application		

	properties and is for guidance only.	
	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
	Actual film performance will depend on the individiual circumstances in which the product is used.	
Pre-treatment	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. Aluminum substrate may require a conversion coating.	
Application	**Interpon 810 LG** powders can be applied by manual or automatic electronic spray 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. 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. Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel	

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