

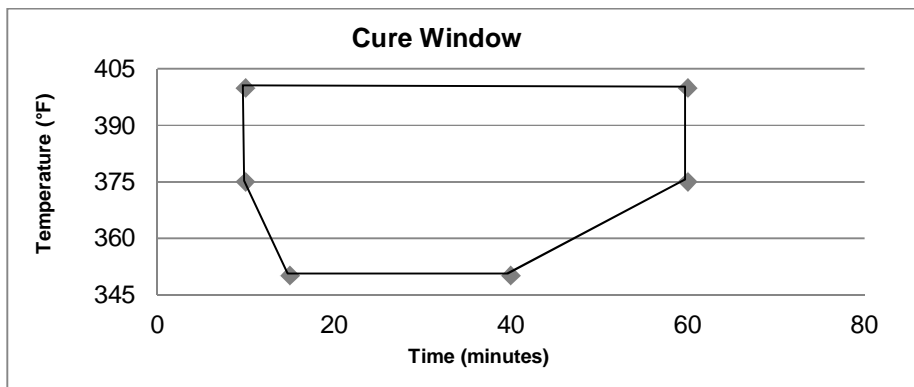
# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon 810 LG ZN202QF BLACK FLNA 40912

**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.

<b>Powder Properties</b>	<b>Chemical type</b>	Polyester TGIC Free
	<b>Appearance</b>	Smooth
	<b>Gloss level (Gardner 60°)</b>	2 - 6
	<b>Recommended Film thickness</b>	2.5 – 3.5 mils
	<b>Specific gravity</b>	1.29 +/-0.05 g/cm <sup>3</sup>
	<b>Coverage @ 1.0 mil</b>	149.1 sq.ft/lb/mil
	<b>Storage</b>	Maximum 80°F
	<b>Shelf life</b>	12 months, typical
	<b>Curing schedule</b> (at object temperature)	10 minutes at 400°F 15 minutes at 375°F 20 minutes at 350°F



<b>Mechanical Tests</b>	Test results were evaluated at 2.0 mils over ACT CRS B1000 P60 panels.	
	<b>Flexibility</b>	ASTM D522 1/4" mandrel at 90° bend
	<b>Adhesion</b>	ASTM D3359 5B
	<b>Impact resistance (Direct)</b>	ASTM 2794 80 in/lbs or better
	<b>Impact resistance (Reverse)</b>	ASTM 2794 up to 40 in/lbs
	<b>Hardness</b>	ASTM3363 H minimum

<b>Environmental and Durability Tests</b>	<b>Neutral Salt Spray</b>	ASTM B117 <1/16" creep, no blisters, at 500 hrs
	<b>Humidity</b>	ASTM D2247 No Change at 1000 hours
	<b>Exterior Durability</b>	Yes

**Test Conditions** Testing has been determined under laboratory conditions using the following application

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properties and is for guidance only.

<b>Substrate</b>	CRS or Aluminum
<b>Pretreatment</b>	Iron Phosphate (B1000) or Zinc Phosphate (B952) for CRS. Chromate conversion for Aluminum
<b>Film thickness</b>	2.0 – 3.0 mils
<b>Cure schedule</b>	15 minutes at 375°F

Actual film performance will depend on the individual circumstances in which the product is used.

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**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.

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**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.

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

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**Key Product Attributes** Super-durable

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**Safety Precautions** Please consult the Safety Datasheet (SDS).

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**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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