

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon F2010 EL2007 Smoke TR-E

<b>Product Description</b>	Interpon F2010 is a range of polyester epoxy hybrid powder coatings designed for the interior environment that offers excellent corrosion resistance, hardness, and chemical resistance properties. Interpon F2010 polyester epoxy hybrid powders are available in a wide range of colors.		
<b>Powder Properties</b>	<b>Chemical type</b>	Polyester-Epoxy Hybrid	
	<b>Appearance</b>	Smooth	
	<b>Gloss level (Gardner 60°)</b>	20 - 30	
	<b>Recommended Film thickness</b>	1.5 – 3.0	
	<b>Specific gravity</b>	1.73 +/-0.05 g/cm <sup>3</sup>	
	<b>Coverage @ 1.0 mil</b>	111 sq.ft/lb/mil	
	<b>Storage</b>	Maximum 80°F	
	<b>Shelf life</b>	12 months, typical	
	<b>Curing schedule (at object temperature)</b>	20 minutes at 375°F	
<b>Mechanical Tests</b>	<b>Adhesion</b>	ASTM D3359	100%
	<b>Hardness</b>	ASTM3363	2H-Scratch, 4H-Gouge
	<b>Impact resistance (Direct)</b>	ASTM 2794	30
	<b>Abrasion resistance</b>	ASTM D4060	850 Wear Cycles per mil of coating with minimum of 650 cycles (1000g load, CS-10 wheels)
	<b>Environmental and Durability Tests</b>	<b>Stain and Chemical</b>	ASTM D1308
	<b>UV</b>	ASTM G155	Delta L, a, b <1; No more than 5 units change of gloss
	<b>Neutral Salt Spray</b>	ASTM B117	Creep Rating 5, 72 hours
	<b>Exterior Durability</b>		No
<b>Test Conditions</b>	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	<b>Substrate</b>	CRS	
	<b>Pretreatment</b>	Bonderite 1070, No Parcolene	
	<b>Film thickness</b>	3.0 – 5.0 mils	
	<b>Cure schedule</b>	20 minutes at 375°F	
	Actual film performance will depend on the individual circumstances in which the product is used.		
<b>Pre-treatment</b>	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 <b>Interpon F2010</b> . Iron		

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phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a conversion coating.

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<b>Application</b>	<b>Interpon F2010</b> 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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<b>Additional Information</b>	<b>Interpon F2010</b> powders are available in bright aluminum finishes which are susceptible to scratching and finger marking. Protection by use of a clear polyester top coat is recommended when the coated article is to be subjected to physical or environmental changes. The top coat should ideally be applied within 2 hours of metallic coating, and gloves should be worn when handling metallic coated articles.
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Stain and chemical resistance: 5% Acetone, Alcohol (rubbing, Isopropyl), Clorox, Coca-Cola, Coffee, Grape Juice (Welch's), Hair oils (Vitalis), Household Amonia (Bo-Peep), 3% Hydrogen Peroxide, Ivory Dish Soap, Washable Ink (Crayola Washable Markers), Mustard (French's), Tea (Lipton, brewed), Trisodium Phosphate (Savogan brand, household strength), Trichloroethane (Sparkle Glass cleaner)

**Interpon F2010** meets ES-1038 Haworth Engineering Specification.

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**Key Product Attributes**

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<b>Safety Precautions</b>	Please consult the Safety Datasheet (SDS).
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<b>Disclaimer</b>	<b>IMPORTANT NOTE:</b> 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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<http://www.interpon.com/contact-us/>

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Author: **T.McLeish**