Product Data Sheet

AkzoNobel Powder Coatings

Interpon 700
EA107QF
Oyster White

Product Description	**Interpon 700** 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 700** polyester epoxy hybrid powders are available in a wide range of colors and gloss levels.		
Powder Properties	**Chemical type**	Polyester-Epoxy Hybrid	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	65 - 75	
	Recommended Film thickness	1.5 – 2.0 mils	
	Specific gravity	1.70 +/-0.05 g/cm³	
	Coverage @ 1.0 mil	113.1 sq.ft/lb/mil	
	Storage	Maximum 80°F	
	Shelf life	12 months, typical	
	Curing schedule (at object temperature)	15 minutes at 375°F.	
Mechanical Tests	**Flexibility**	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	140
	Hardness	ASTM3363	H minimum
Environmental and Durability Tests	**Neutral Salt Spray**	ASTM B117	<1/8" creep, no blisters, at 500 hrs
	Humidity	ASTM D2247	No Change at 1000 hours
	Exterior Durability		No
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	CRS	
	Pretreatment	Iron Phosphate (B1000)	
	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 700** . Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance. Aluminum substrate may require a conversion coating.		
Application	**Interpon 700** 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 700 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 aplied within 2 hours of metallic coating, and gloves should be worn when handling metallic coated articles.

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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