

Product Data Sheet



AkzoNobel Powder Coatings

Interpon 600 HR KN400QF (formerly 31-71007) Low-E Black River

Product Description	<p>Interpon 600 HR is a range of TGIC powder coatings designed for exterior exposure and offers excellent light and weather resistance from a single coat finish on a variety of substrates. Interpon 600 HR powders are available in a wide range of colors in gloss, satin, matte, and texture effect finishes and can be custom matched to customer specifications.</p>		
Powder Properties	Chemical type	Polyester TGIC	
	Appearance	River Texture	
	Gloss level (Gardner 60°)	Visual	
	Recommended Film thickness	3.0 – 5.0	
	Specific gravity	1.30 +/-0.05 g/cm ³	
	Coverage @ 1.0 mil	148 sq.ft/lb/mil	
	Storage	< 70°F	
	Shelf life	12 months	
	Curing schedule (at object temperature)	15 minutes at 325°F	
Mechanical Tests	Flexibility	ASTM D522	1/8" mandrel
	Adhesion	ASTM D3359	100%
	Impact resistance (Direct)	ASTM 2794	120 or better
	Hardness	ASTM3363	H minimum
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<1/16" creep, no blisters, 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	
	Pretreatment	Iron Phosphate (B1000)	
	Film thickness	3.5 – 4.5 mils	
	Cure schedule	15 minutes at 350°F	
Actual film performance will depend on the individual circumstances in which the product is used.			
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 600 HR. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.</p> <p>Aluminum substrate may require a conversion coating.</p>		
Application	<p>Interpon 600 HR 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.</p>		

Additional Information	Interpon 600 HR powders have no chalking and slight gloss loss after 12 months of South Florida exposure but no film breakdown or reduction in protective properties.
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Key Product Attributes	Low-E
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Safety Precautions	Please consult the Safety Datasheet (SDS).
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Disclaimer	<p>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.</p>
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