

# Product Data Sheet

## AkzoNobel Powder Coatings

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

<b>Product Description</b>	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.		
<b>Powder Properties</b>	<b>Chemical type</b>	Polyester TGIC	
	<b>Appearance</b>	River Texture	
	<b>Gloss level (Gardner 60°)</b>	Visual	
	<b>Recommended Film thickness</b>	3.0 – 5.0	
	<b>Specific gravity</b>	1.30 +/-0.05 g/cm <sup>3</sup>	
	<b>Coverage @ 1.0 mil</b>	148 sq.ft/lb/mil	
	<b>Storage</b>	Maximum 80°F	
	<b>Shelf life</b>	12 months	
	<b>Curing schedule (at object temperature)</b>	15 minutes at 325°F	
<b>Mechanical Tests</b>	<b>Flexibility</b>	ASTM D522	1/8" mandrel
	<b>Adhesion</b>	ASTM D3359	100%
	<b>Impact resistance (Direct)</b>	ASTM 2794	120 or better
	<b>Hardness</b>	ASTM3363	H minimum
<b>Environmental and Durability Tests</b>	<b>Neutral Salt Spray</b>	ASTM B117	<1/16" creep, no blisters, 500 hrs
	<b>Humidity</b>	ASTM D2247	No Change at 1000 hours
	<b>Exterior Durability</b>		Yes
<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>	Iron Phosphate (B1000)	
	<b>Film thickness</b>	3.5 – 4.5 mils	
	<b>Cure schedule</b>	15 minutes at 350°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 Interpon 600 HR. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.		
Aluminum substrate may require a conversion coating.			
<b>Application</b>	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.		

---

<b>Additional Information</b>	<b>Interpon 600 HR</b> powders have no chalking and slight gloss loss after 12 months of South Florida exposure but no film breakdown or reduction in protective properties.  Doosan 35101674 Rev. AA
<b>Key Product Attributes</b>	Low-E
<b>Safety Precautions</b>	Please consult the Safety Datasheet (SDS).
<b>Disclaimer</b>	<p><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.</p> <p>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.</p> <p>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel</p>

---

<http://www.interpon.com/contact-us/>

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Product Name: **KN400QF**  
Last Revision Date: **4/3/17**  
Revision Number: **2**  
Author: **T.McLeish**