

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon HT 450 WN209QF (FORMERLY 99-7038) BURNER BLACK

<b>Product Description</b>	Interpon HT 450 powder products are designed for high service temperature applications. These products retain their film integrity and offer substrate protection during continuous or intermittent exposure to elevated service temperatures ranging from approximately 600°F to 800°F.		
<b>Powder Properties</b>	<b>Chemical type</b>	Thermoset Silicone	
	<b>Appearance</b>	Smooth	
	<b>Gloss level (Gardner 60°)</b>	4-8	
	<b>Recommended Film thickness</b>	1.8 – 2.5 mils	
	<b>Specific gravity</b>	1.77 +/-0.05 g/cm <sup>3</sup>	
	<b>Coverage @ 1.0 mil</b>	109 sq.ft/lb/mil	
	<b>Storage</b>	Maximum 70°F in a sealed container	
	<b>Shelf life</b>	6 months, cold storage	
	<b>Curing schedule (at object temperature)</b>	15 min at 450°F.	
<b>Mechanical Tests and Durability</b>	<b>Adhesion</b>	ASTM D3359	4B or better
	<b>Hardness</b>	ASTM3363	2H minimum
	<b>Impact resistance (Direct)</b>	ASTM 2794	100 or better
	<b>Flexibility</b>	ASTM D522	N/A
	<b>Exterior Durability</b>		Yes
	The data above is reflective of virgin, non-heat exposed coating		
<b>Test Conditions</b>	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	<b>Substrate</b>	Aluminized Steel	
	<b>Pretreatment</b>	None	
	<b>Film thickness</b>	1.8 – 2.5 mils	
	<b>Cure schedule</b>	15 minutes at 450°F	
	Actual film performance will depend on the individual circumstances in which the product is used.		
<b>Pre-treatment</b>	Proper substrate cleaning is critical to the performance of <b>Interpon HT 450</b> . Pretreatment is not recommended for any <b>Interpon HT 450</b> coating that will see service temperatures above 600°F.		
	<p>Steel surfaces must be completely free of oil and grease, as well as scale and rust. Surface should have a water break free finish at minimum. For some applications, a grit blast may be adequate to increase adhesion.</p> <p>Aluminum and aluminum steel surfaces must be completely free of oil and grease, as well as scale. Surface should have a water break free finish at minimum. Pre-baking may be necessary to drive off release agents in some porous aluminum castings.</p>		

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**Application**      **Interpon HT 450** powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance the product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. For more detailed information please contact an AkzoNobel technical service representative.

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**Additional Information**      **Interpon HT 450** powders are substrate sensitive and choice of substrate will effect heat resistance of the coating. Powder has been tested at recommended cure schedule, and deviation from that cure cycle may alter coating appearance and performance.

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**Key Product Attributes**

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

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