

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon A1242 BN203QF / 13-7011

<b>Product Description</b>	<p><b>Interpon A1242</b> powder has an excellent line of coatings for coil springs, and torsion bars essential to the safe performance and comfortable ride of today's car and truck chassis systems. <b>Interpon A1242's</b> single layer systems offer unyielding performance in corrosion and chip resistance balanced with excellent application efficiencies. Our patented Dual Coat system for coil springs offers superior corrosion protection and critical chip resistance when using <b>BN203QF</b> topcoat in combination with <b>BL104QF</b> zinc primer to offer the highest performance for high tensile springs.</p>		
<b>Powder Properties</b>	<b>Chemical type</b>	Epoxy	
	<b>Area of usage</b>	Topcoat for Dual Coat system for springs	
	<b>Appearance</b>	Smooth, matt	
	<b>Gloss level (60°)</b>	25 - 55 GU	
	<b>Colour</b>	Black	
	<b>Recommended Film Thickness (mils)</b>	12.0 – 15.0 mils	
	<b>Density (g/cm<sup>3</sup>)</b>	0.78-0.88	
	<b>Coverage</b>	240 sq.ft/lb/mil	
	<b>Storage</b>	Under dry, cool (<70°F) conditions	
	<b>Shelf life</b>	At least 12 months from production date	
	<b>Curing schedule</b> (at object temperature)	20 minutes at 320°F	
<b>Comments</b>	<p><b>BN203QF</b> is the second layer of the Dual Coat AkzoNobel coating technology for springs. Specific application conditions and recommendations are available on request. Recommended film thicknesses are 2.0 - 4.0 mils for <b>BL104QF</b> and 12.0 - 15.0 mils for <b>BN203QF</b></p>		
<b>Mechanical Tests</b>	<b>Adhesion</b>	ASTM D3359	100%
	<b>Impact resistance</b>	ASTM D2794	>140 ip – 160 ip (direct)
	<b>Flexibility</b>	DIN EN ISO 1520	>8 mm
<b>Environmental and Durability Tests</b>	<b>Neutral Salt Spray</b>	DIN EN ISO 7253	4000 h Corrosion creep < 2 mm (Over BL 104QF Primer)
<b>OEM Approvals</b>	<b>Fiat/Chrysler</b>	MS-PE20-1	
	<b>General Motor</b>	GMW14656	

---

<b>Test Conditions</b>	Testing has been determined under laboratory conditions using the following application properties and is for guidance only. <b>Substrate</b> Steel panels (CRS) <b>Pretreatment</b> Zinc phosphate (B958) <b>Film thickness</b> 2.0 - 4.0 mils BL104QF 12.0 - 15.0 mils BN203QF <b>Cure schedule</b> 20 minutes at 320°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 A1242</b> . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.
<b>Application</b>	<b>Interpon A1242</b> powders can be applied by manual or automatic electrostatic 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>Safety Precautions</b>	This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customers.
<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.  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.  Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

---

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

Copyright © 2016 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Interpon A1242 – BN203QF - Issue #2

Last Revision Date:28.04.2016

Author: E.T.Kok