

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1242 BL104QF / 13-7009B ZincRich

Product Description

Interpon A1242 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. Interpon **A1242**'s single layer systems offer unyielding performance in corrosion and chip resistance balanced with excellent application efficiencies. Our patented dual-layer system for coil springs offers superior corrosion protection and critical chip resistance in both zinc and non-zinc containing primer versions to bring you the most economical and responsible choices in coatings for high performance, high tensile springs.

Powder Properties

Type	Epoxy
Area of usage	Primer for Dual Coat system for springs
Appearance	Smooth, matt
Particle size	Custom manufactured
Colour	Grey
Gloss (60°)	50 – 80 GU
Storage conditions	maximum 77°F
Shelf life	6 months from delivery date
Stoving schedule	20 minutes at 320°F (time at object temperature)

Test Conditions

The results are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

Substrate	Steel panels
Pretreatment	Phosphate (Bonder WH/60/OC)
Film Thickness	2.0 - 4.0 mils for BL104QF 12.0 - 15.0 mils for BN203QF
Cure Schedule	20 minutes at 320°F

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0A
Erichsen Cupping	DIN EN ISO 1520	> 8 mm
Impact (reverse)	ASTM D2794	> 140 – 160 ip

Chemical tests

Salt Spray	DIN EN ISO 9227	4000 h corrosion creep < 2mm from scribe
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OEM approvals

General Motors	GMW14656
Ford	C MS-PE-20-1

Pre-treatment

Steel substrate must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of **Interpon A1242**.

Application

Interpon A1242 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.

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Safety Precautions

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.

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 fulfill 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.

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Interpon A1242 - BL104QF - Issue #3
Issued: 04.07.2011 Revision Date: 29.10.2015

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