

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1242 AN129G

Product Description	<p>Interpon A1242 powder coating 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 Super Single Coat for coil springs offers superior corrosion protection and critical chip resistance to bring you the most economical and responsible choices in coatings for high performance, high tensile springs.</p>		
Powder Properties	Chemical type	Epoxy	
	Area of usage	Automotive suspension springs	
	Appearance	Smooth	
	Gloss level (60°)	> 40 GU	
	Colour	Black	
	Recommended Film Thickness	330 – 380 µm (13 – 15 mils)	
	Density (g/cm³)	1,41 ± 0,05 (calculated) 0,9 - 1,2 (measured, cured film)	
	Application	Electrostatic	
	Storage	Under dry, cool (<21°C) conditions	
	Shelf life	10 months from the production date	
	Curing schedule (at object temperature)	25 minutes at 150°C (time at object temperature) 25 minutes at 300°F (time at object temperature)	
Mechanical Tests	Adhesion	DIN EN ISO 2409	Gt 0
	Pencil Hardness	TSH1539G	B
	Ericksen cupping	DIN EN ISO 1520	≥ 8 mm
	Impact resistance	DIN EN ISO 6272	≥ 140 ip (direct) ≥ 140 ip (reverse)
Environmental and Durability Tests	Salt Spray	GMW 3286	1000 h, corrosion creep < 2 mm from scribe
Test Conditions	<p>Testing has been determined under laboratory conditions using the following application properties and is for guidance only.</p> <p>Substrate Steel panels CRS ACT B958 P90</p> <p>Pretreatment Zinc Phosphate</p> <p>Film thickness 330 – 380 µ (13 – 15 mils)</p> <p>Cure schedule 20 minutes at 160°C</p> <p>Actual film performance will depend on the individual circumstances in which the product is used.</p>		

Pre-treatment	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 A1242 . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.
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.
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 AkzoNobel has provided to its customers.
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> <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>

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