

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A5160 YN860D

Product Description	<p>Interpon A5160 is a series of high durability powder coatings, formulated without TGIC, designed for exterior exposure. Tested against the most severe specifications Interpon A5160 gives significantly improved gloss retention and resistance to colour change. Interpon A5160 has been developed for chassis and chassis components for trucks.</p>		
Powder Properties	Chemical type	Polyester super-durable	
	Area of usage	Truck chassis	
	Appearance	Smooth, matt	
	Gloss level (60°)	25 ± 5 GU	
	Colour	Volvo black No. 1707	
	Recommended Film Thickness (µm)	60 - 80 µm	
	Density (g/cm³)	1.40 ± 0.05	
	Application	Electrostatic	
	Storage	Under dry, cool (≤ 25°C) conditions	
	Shelf life	At least 24 month from production date	
	Curing schedule (at object temperature)	10 minutes at 200°C	
Mechanical Tests	Adhesion	DIN EN ISO 2409	Gt0
	Erichsen cupping	DIN EN ISO 1520	≥ 3 mm
	Impact resistance	ASTM D 2794	≥ 20 ip (reverse)
Environmental and Durability Tests	Neutral Salt Spray	DIN EN ISO 9227	240 h corrosion creep < 2 mm from scribe
	Humidity	DIN EN ISO 6270-2	240 h no blistering or loss of gloss
	Artificial Testing	QUV-B Florida	500 h > 50% gloss retention 24 months > 50% gloss retention
Test Conditions	<p>Testing has been determined under laboratory conditions using the following application properties and is for guidance only.</p> <p>Substrate E-coated steel panels</p> <p>Pretreatment ZnPO4 phosphate</p> <p>Film thickness 70 µm</p> <p>Cure schedule 10 minutes at 200°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 A5160 . Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.
Application	Interpon A5160 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 Akzo Nobel 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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