Product Data Sheet

AkzoNobel Powder Coatings
Interpon A1250
BN302D

Product Description

Interpon A1250 takes nothing for granted when it comes to coating parts under the hood. Out of sight is not out of mind. The geometry, coarse surface and performance requirements of the engine block demands coatings that achieve good wetting of the rough surface, excellent penetration into recessed areas, good edge coverage, faster cure times, and great performance. In addition, the cured **Interpon A1250** powder film is formulated for a strong combination of mechanical properties which will withstand high speed machining without chipping or flaking or generating debris from the machining processes that are typical for engine blocks. Finally, **Interpon A1250** comes in a range of glosses and textures for engine blocks designed for distinction.

Powder Properties

Chemical type	Epoxy
Area of usage	Engine blocks
Particle Size	Custom manufactured
Appearance	Fine texture
Colour	Black
Gloss (60°)	5 – 15 GU
Density (g/cm^3)	1,60 ± 0,05
Stoving schedule	10 minutes at 180°C (time at object temperature)
Application	electrostatic
Storage Stability	under dry, cool (<25°C) conditions, at least 12 months from production date

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	Bonder (LH Iron phosphate)
Film Thickness	60 µm
Cure Schedule	10 minutes at 180°C

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0A
Erichsen Cupping	DIN EN ISO 1520	≥ 4 mm
Impact	ASTM D 2794	≥ 5 ip (reverse)

Corrosion Tests

Salt Spray	DIN EN ISO 9227	450 h corrosion creep < 2 mm from scribe
Humidity Test	DIN EN ISO 6270-2	450 h no blistering or loss of gloss

Exterior Durability

Artificial Testing	not for outdoor weathering
Natural Testing	not for outdoor weathering

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 A1250**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance.

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Application	**Interpon A1250** 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	**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.** **Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel**

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