

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A1250 BN101Q

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

Type	Epoxy
Area of usage	Coating for engine blocks
Appearance	Smooth, mid gloss
Particle size	Custom manufactured
Colour	Black
Gloss (60°)	35 - 55 GU
Density (g/cm³)	1,63 ± 0,05
Coverage at 1.0 mil	118 sq. ft. / lb. / mil
Storage conditions	maximum 80°F
Shelf life	12 months from production date
Stoving schedule	15 minutes at 250°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	Cold Rolled Steel
Pretreatment	Iron Phosphate (B1000)
Film Thickness	2.5 – 3.5 mils
Cure Schedule	15 minutes at 250°F

Mechanical Tests

Adhesion	ASTM D3359	100%
Hardness	ASTM D3363	2H
Impact (direct)	ASTM D2794	160 inch-lbs
Impact (reverse)	ASTM D2794	160 inch-lbs
Flexibility	ASTM D522	1/8" mandrel

Corrosion Tests

Salt Spray	ASTM B117	1000 hours, < 1/6" creep, no blisters
Humidity	ASTM D2247	1000 hours, no change

OEM Approvals

Chrysler	MS-PE-16-2
General Motors	9984138, GMW14674
Ford Motors	WSS-M2P177-C2

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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.

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.
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