

Product Data Sheet

AkzoNobel Powder Coatings

Interpon PZ 560 BL103K

Product Description

Interpon PZ 560 is a zinc-rich, thermosetting powder primer, exhibiting excellent corrosion protection and chemical resistance when applied over a properly prepared metal substrate.

Interpon PZ 560 is suitable for low temperature applications. Typical applications would include automotive springs and other ferrous metal parts that require enhanced corrosion protection.

Powder Properties*

Chemical type	Epoxy
Gloss (60° head)	70 +/- 5%
Particle size	Suitable for electrostatic spray
Specific gravity	2.06
Storage	Dry cool conditions (below 25°C)
Shelf Life	6 months
Sales code	BL103K
Stoving Schedule	6 - 10 mins at 160°C or 4 - 8 mins at 180°C or 2 - 6 mins at 200°C (Object temperature)

Note: The shorter cure times (green bake) should be used when the primer is to be overcoated with powder topcoat. The longer cure times should be used when the primer is to be used as a single coat or overcoating is to be delayed greater than 24 hours. Failure to comply with the recommended curing schedule may affect the adhesion of the topcoat and cause degradation of the properties of the system.

Test Conditions

The results shown below are based on mechanical properties 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	Bonderite 1000 Test Panels
Pre-treatment	Grit blasting and phosphating
Film Thickness	60 +/- 10 microns
Stoving (object temperature)	10 mins at 160°C

Mechanical Tests*

Impact	ASTM D 2794 DuPont)	1000g x 50cm
Adhesion	ASTM D 3359	Pass, GT=0
Flexibility	ASTM D 552	Pass, 6mm
Hardness	ASTM D 3363	Mitsubishi 2H

Chemical Durability Tests*

Salt Spray	ASTM B 117	Pass 1500 hours - no corrosion creep more than 2mm from scribe
Acid Resistance	5% CH ₃ COOH (240hrs)	No change
Alkali Resistance	5% NaOH (240hrs)	No change

Surface Preparation

Remove oil and grease with suitable solvent. Remove any salt deposits with fresh water. Grit blast to near white metal to SSPC-SP10, Sa 2.5, NACE No. 2. Clean blasted surface by air blast or suction if necessary. If oxidation has occurred between blasting and application of Interpon PZ 560, the surface should be reblasted to the specified visual standard.

Interpon PZ 560

Application

Interpon PZ 560 can be applied by manual or automatic electrostatic spray equipment. Unused or over-sprayed powder coating can be reclaimed 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 customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact AkzoNobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows. All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapors resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in AS3754:1990, "Safe Application of Powder Coatings by Electrostatic Spraying".

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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* Typical minimum specifications. Performance may vary slightly between individual products.
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