

# Interpon PZ 550 MetaZinc Anti-Corrosive Primer

## Product Data Sheet

### Product Description:

**Interpon PZ 550 MetaZinc** Anti-Corrosive Primer is an epoxy-based powder coating primer rich in zinc that is designed to provide protective anti-corrosive properties for ferrous substrates.

**Interpon PZ 550 MetaZinc** Anti-Corrosive Primer is designed to be used in conjunction with powder topcoats such as **Interpon D610**, **Interpon D610 Excel™** and **Interpon 700** (for internal applications) to provide enhanced corrosion performance.

**Interpon PZ 550 MetaZinc** Anti-Corrosive Primer is ideal for application over steel such as street and garden furniture, gas cylinders and tanks, agricultural machinery, fencing, automotive components and other general industrial applications.

<b>Powder properties*:</b>	<b>Chemical type</b>	Epoxy
	<b>Particle size</b>	Suitable for electrostatic spray
	<b>Specific gravity</b>	2.7 – 2.8 g/cm <sup>3</sup>
	<b>Storage</b>	Store in a cool dry place (below 25°C). Reseal bag after use. May react with moisture from the atmosphere.
	<b>Shelf Life</b>	12 months
	<b>Sales code</b>	APA10A
	<b>Stoving Schedule (object temperature)</b>	160°C minimum 12 minutes / maximum 23 minutes or 170°C minimum 8 minutes / maximum 17 minutes or 200°C minimum 2 minutes / maximum 8 minutes or 220°C minimum 1.5 minutes / maximum 5.5 minutes

**Film properties:** Mechanical tests carried out on steel panels. Chemical and durability tests carried out on grit blasted steel panels (class SA 2.5, Ra 6-12) coated with 50-60 microns of **Interpon PZ 550 MetaZinc** Anti-Corrosive Primer.

<b>Mechanical tests*:</b>	<b>Adhesion</b>	AS/NZS 4506 Section 2.7	Classification 1 maximum
	<b>Pencil Hardness</b>	AS/NZS 4506 Section 2.8	F - minimum
	<b>Reverse Impact Resistance</b>	AS/NZS 4506 Section 2.10	Pass 2 mm
<b>Chemical and durability Tests*:</b>	<b>Salt Spray</b>	ASTM B117	Pass 2000 hours - no corrosion creep more than 2mm from scribe
	<b>Humidity Resistance</b>	AS/NZS 4506 Section 2.9	Pass at 1000 hrs - no blistering or loss of adhesion

**Pretreatment:** **Interpon PZ 550 MetaZinc** Anti-Corrosive Primer must be applied to a clean, dry surface that is free from oxidation. The substrate should be grit blasted to SA2.5 minimum with a roughness profile between 30-50 microns. The primer should be applied immediately.

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**Application:** **Interpon PZ 550 MetaZinc** Anti-Corrosive Primer can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed and recycled through the coating system.  
**Interpon PZ 550 MetaZinc** Anti-Corrosive Primer can be over coated with **Interpon D610** or **Interpon D610 Excel™** for exterior applications and **Interpon 700** for interior applications. The topcoat should be applied within 4 hours of coating with **Interpon PZ 550 MetaZinc** Anti-Corrosive Primer. Beyond this period, yet not exceeding 12 hours, the part to be coated should be re-stoved at 120°C for 10 minutes.

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**Additional Information:** Akzo Nobel Pty Limited has a policy not to use lead or other heavy metal based pigments in our range of powder coatings.

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**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. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel 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".

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**Disclaimer:** Unless otherwise agreed by us in writing, any contract to purchase products referred to in this brochure and any advice which we give in connection with the supply of products are subject to our standard conditions of sale. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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