

# Product Data Sheet

## Corro-Coat I-PE Series 35

<b>Product Description</b>	Corro-Coat I-PE Series 35 is a powder coatings based on polyester chemistry. It is formulated free of TGIC and epoxy resins.						
<b>Application Areas</b>	<p>Corro-Coat I-PE Series 35 is designed for interior use only, and is not recommended for outdoor applications.</p> <p>Corro-Coat I-PE Series 35 features a variety of finishes to suit various interior applications adding decorative properties and surface protection.</p> <p>Typical application areas include indoor metal furniture and fixtures, wire work, pallet racking systems, hand tools, shop fitting and other similar objects intended for indoor use.</p>						
<b>Pre-treatment</b>	<p>The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment. The recommended types of pre-treatment for the most frequently used substrates are:</p> <table><tr><td>Aluminium</td><td>Chromate conversion</td></tr><tr><td>Steel</td><td>Iron phosphate or Zinc phosphate</td></tr><tr><td>Zinc coated steel</td><td>Zinc phosphate or chromate conversion</td></tr></table>	Aluminium	Chromate conversion	Steel	Iron phosphate or Zinc phosphate	Zinc coated steel	Zinc phosphate or chromate conversion
Aluminium	Chromate conversion						
Steel	Iron phosphate or Zinc phosphate						
Zinc coated steel	Zinc phosphate or chromate conversion						
<b>Curing Schedules</b>	<p>Corro-Coat I-PE Series 35 products are tailored to customers' requirements and therefore curing schedules are product specific. Please consult your Jotun Powder Coatings' representative and refer to the product label on the packaging.</p> <p>Upon request, products within Corro-Coat I-PE Series 35 can be formulated for curing temperatures in the range of 170°C to 200°C.</p>						
<b>Colour Selection</b>	Corro-Coat I-PE Series 35 is available in a wide assortment of custom-made colours, including RAL and NCS.						
<b>Finish</b>	Corro-Coat I-PE Series 35 is available in smooth and textured finishes with a range of gloss levels.						
<b>Powder Application</b>	Corro-Coat I-PE Series 35 is available for Corona or Tribo charging equipment.						
<b>Storage Conditions</b>	Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%.						

## Technical Data

The technical data provided below are typical for Corro-Coat I-PE Series 35 applied to 0.8mm zinc phosphated cold rolled steel panels (65 micron film thickness) and stoved for 10 minutes at 200°C (object temperature). Typical values when tested have not necessarily been recently revised.

Description	Norm	Series 35
Adhesion	EN ISO 2409 (2mm)	Cross-cut rating Gt0 (100% adhesion).
Impact resistance	ASTM D 2794 (5/8" ball)	Most grades exceed 60 inch-pounds without film cracking.
Cupping test	EN ISO 1520	Most grades exceed 5mm without film cracking.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 70.
Salt spray resistance <sup>1</sup>	ASTM B 117	Excellent. Measured with respect to blistering and adhesion loss after 500 hours exposure.
Resistance to humid atmospheres <sup>1</sup>	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.

<sup>1</sup> Tests refer to resistance to corrosion only. Products with metallic finish (leafing aluminium and bronze pigments in particular) will discolour when exposed to wet/humid conditions over prolonged time. If metallic finish coatings may be exposed to aggressive chemicals - including household chemicals and cleaners - or exposed to areas with high humidity, an over coating with clear coat is recommended. Over coating with clear coat will also protect pigments from discolouration caused by scratching, scuffing or marring.

**Note:** The information on this Product Data Sheet is given to the best of the manufacturer's knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. Jotun Powder Coatings reserves the right without notice to alter or change the content of this Product Data Sheet.

Jotun Powder Coatings. Issued June 2006.  
THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.