

Product Data Sheet

Corro-Coat PU Blanco

Product Description	<p>Corro-Coat PU Blanco is an IPDI-cured polyester powder coating designed for magnetic whiteboards (dry erase boards, dry erase marker boards), chalkboards and card holders used in classrooms, offices and conference rooms. Corro-Coat PU Blanco features excellent chemical resistance to magic ink/whiteboard markers.</p> <p>Corro-Coat PU Blanco provides excellent flow with a smooth easy to clean high gloss surface. Corro-Coat PU Blanco's superior chemical properties also make it suitable for anti graffiti applications.</p>												
Application Areas	<p>Corro-Coat PU Blanco can be applied on aluminium sheets, steel sheets and other ferrous and non ferrous substrates. The main application areas are whiteboards, chalkboards and other metal based boards.</p>												
Pre-treatment	<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><thead><tr><th>Substrate</th><th>Indoor application</th><th>Outdoor application</th></tr></thead><tbody><tr><td>Aluminum</td><td>Cleaning/degreasing</td><td>Chromate conversion</td></tr><tr><td>Steel</td><td>Iron phosphate</td><td>Zinc phosphate</td></tr><tr><td>Zinc coated steel</td><td>Iron phosphate</td><td>Zinc phosphate or chromate conversion.</td></tr></tbody></table> <p>Conductivity of the last running water from the object should be tested at 20°C. The readings obtained should measure below 30µS/cm.</p>	Substrate	Indoor application	Outdoor application	Aluminum	Cleaning/degreasing	Chromate conversion	Steel	Iron phosphate	Zinc phosphate	Zinc coated steel	Iron phosphate	Zinc phosphate or chromate conversion.
Substrate	Indoor application	Outdoor application											
Aluminum	Cleaning/degreasing	Chromate conversion											
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Zinc coated steel	Iron phosphate	Zinc phosphate or chromate conversion.											
Curing Schedules	<p>10 minutes at 200°C object temperature</p>												
Colour Selection	<p>Corro-Coat PU Blanco is primarily available in white color. Other colors can be custom-made upon request.</p>												
Finish	<p>Corro-Coat PU Blanco is available in high gloss above 85% (angle 60° measured according to EN ISO 2813).</p>												
Powder Application	<p>Corro-Coat PU Blanco is suitable for Corona or Tribo charging equipment.</p>												
Storage Conditions	<p>Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%.</p>												

Technical Data

The technical data provided below are typical for Corro-Coat PU Blanco applied to 0.8mm cold rolled steel panels (typical 65 micron film thickness). Typical values when tested have not necessarily been recently revised.

Description	Norm	PU Blanco
Adhesion	EN ISO 2409 (2mm)	Cross-cut rating Gt0-1.
Impact resistance	ASTM D 2794 (5/8" ball)	Most grades exceed 20 inch-pounds without film cracking.
Cupping test	EN ISO 1520	Most grades exceed 2mm without film cracking.
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 16mm without film cracking.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 80. Pencil hardness: H.
Salt spray resistance	ASTM B 117	Excellent. Measured with respect to corrosion, blistering and adhesion loss after 1000 hours.
Resistance to humid atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours.
UV resistance	ASTM G 154 (UVB-313)	Excellent. Measured with respect to color and gloss retention.

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. April 2005.

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