

# Product Data Sheet

## Corro-Coat PU Series 60

### Product Description

Corro-Coat PU Series 60 is an exterior durable IPDI-cured polyester powder coating developed to provide eye-catching finishes. It exhibits an excellent even uniform flow and an attractive finish and appearance, even after recycling.

Corro-Coat PU Series 60 features good chemical and mechanical properties and imparts excellent weather resistance as well as chalking resistance to UV light.

### Application Areas

Primary areas of application are products that require high resistance to UV light. It features a variety of finishes to suit various interior and exterior applications such as agricultural machinery, garden furniture, automotive parts and accessories, bicycles, air conditioners and lighting apparatus and fixtures.

The overall excellent properties and attractive appearance of Corro-Coat PU Series 60 make it suitable for application to ferrous and non ferrous substrates.

### Pre-treatment

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:

Aluminum	Chromate conversion
Steel	Zinc phosphate
Zinc coated steel	Zinc phosphate or chromate conversion
Final rinse (deionized)	The last running water from the object should be tested at 20°C. The readings obtained should measure below 30µS/cm.

### Curing Schedules

10 minutes at 200°C object temperature.

### Colour Selection

Corro-Coat PU Series 60 is available in a wide assortment of custom-made colours, including RAL and NCS.

### Finish

Corro-Coat PU Series 60 is available in gloss levels from 10% to 90% (angle 60° measured according to EN ISO 2813).

### Powder Application

Corro-Coat PU Series 60 is suitable for Corona or Tribo charging equipment.

### Storage Conditions

Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%.



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## Technical Data

The technical data provided below are typical for Corro-Coat PU Series 60 applied to 0.8mm zinc-phosphated cold rolled steel panels (typical 65 micron film thickness). Typical values when tested have not necessarily been recently revised.

Description	Norm	Series 60
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. Typical 80 inch-pounds in high gloss systems.
Cupping test	EN ISO 1520	Most grades exceed 2mm without film cracking. Up to 6mm in high gloss systems.
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 12mm without film cracking. Typical 5mm in high gloss systems.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 80.
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.

THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.