

# Product Data Sheet

## Corro-Coat I-PU Series 67

**Product Description** Corro-Coat I-PU Series 67 is a series of polyurethane-based powder coatings designed for a wide variety of interior applications where aesthetic requirements are particularly stringent. Corro-Coat I-PU Series 67 exhibits excellent flow properties, even uniform flow and an attractive finish and appearance, also after recycling. In addition, it offers excellent mechanical and chemical performance with good colour stability during curing.

**Application Areas** Corro-Coat I-PU Series 67 is suited for coating of a wide assortment of applications where the best balance of appearance and technical is in focus. These applications are typically consumer goods, domestic appliances, home, office and workshop furniture, industrial racking systems, shelves, cabinets, lockers, etc.

Corro-Coat I-PU Series 67 is recommended for interior applications only, primarily on 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:

Aluminium	Chromate conversion
Steel	Zinc phosphate or iron phosphate
Zinc coated steel	Zinc phosphate or chromate conversion

**Curing Schedules** Corro-Coat I-PU Series 67 can be formulated for curing temperatures in the range 180 to 200 degrees Celsius.

However, Corro-Coat I-PU Series 67 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.

**Colour Selection** Corro-Coat I-PU Series 67 is available in a wide assortment of custom-made colours, including RAL and NCS.

**Finish** Corro-Coat I-PU Series 67 is available in smooth and textured finishes. The smooth finish is available in a gloss range from 15 to 95 % (angle 60° measured according to EN ISO 2813).

**Powder Application** Corro-Coat I-PU Series 67 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 I-PU Series 67 applied to 0.8 mm zinc-phosphated cold rolled steel panels (60 micron film thickness). Values may vary with colour, gloss level and surface finish. Typical values when tested have not necessarily been recently revised.

Description	Norm	Series 67
Adhesion	EN ISO 2409 (2 mm)	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 2 mm without film cracking. Up to 6 mm in high gloss systems.
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 12 mm without film cracking. Typical 5 mm in high gloss systems.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 80.
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 <sup>1</sup> atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.

(1) 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.

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