

## Corro-Coat I-PU Series 67

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### PRODUCT DESCRIPTION

The product is a powder coatings specifically designed when aesthetic requirements are of particular importance. While ensuring excellent mechanical and chemical resistance, it features outstanding uniform flow properties and attractive finishes.

#### Application areas

This product is recommended for interior use only.

Typical application areas:

- Domestic appliances
- Home furniture
- Office furniture
- Workshop furniture
- Industrial racking systems
- Shelves
- Cabinets
- Lockers

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### POWDER PROPERTIES

#### Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. If stored longer than 12 months a quality test is recommended.

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### APPLICATION

#### Pretreatment

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the pretreatment. For optimal results, it is recommended to follow the pretreatment supplier's instructions and recommendations.

The recommended types of pretreatment for the most frequently used substrates are:

<b>Substrate</b>	<b>Pretreatment</b>
Aluminium	Chromate conversion
Steel	Zinc phosphate or iron phosphate
Zinc coated steel	Zinc phosphate or chromate conversion

#### Powder application

This product can be tailored to customer's requirements and therefore curing schedules will differ. Please consult your Jotun Powder Coatings' representative and the product label on the packaging.

This product can be formulated for curing temperatures from 180 °C to 200 °C object temperature.

#### Equipment

Suitable for Corona or Tribo charging equipment.

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## APPEARANCE

<b>Colour</b>	The product is available in a wide assortment of custom-made colours, including RAL and NCS.	
<b>Gloss</b>	EN ISO 2813 (60°)	15-95
<b>Finish</b>	Smooth and textured finishes	

If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample (from the same viewing angle).

## PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate	Zinc-phosphated cold rolled steel panels
Substrate thickness (mm)	0,8
Film thickness (µm)	60

Typical values when tested.

Property	Standard	Result
<b>Adhesion</b>	EN ISO 2409 (2 mm)	Cross-cut rating Gt0-1
<b>Impact resistance</b>	ASTM D2794 (5/8 " ball)	Most grades exceed 20 inch-pounds without film cracking. Typical 80 inch-pounds in high gloss systems.
<b>Cupping test</b>	EN ISO 1520	Most grades exceed 2 mm without film cracking. Up to 6 mm in high gloss systems.
<b>Flexibility</b>	EN ISO 1519	Cylindrical Mandrel bend test, 12 mm without film cracking. Typical 5 mm in high gloss systems.
<b>Film hardness</b>	EN ISO 2815	Indentation resistance according to Buchholz: > 80
<b>Salt spray resistance*</b>	ASTM B117	Excellent. Measured with respect to blistering and adhesion loss after 500 hours exposure.
<b>Resistance to humid atmospheres*</b>	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.

*\* 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.*

## Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

# Technical Data Sheet

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