Corro-Coat PU Series 60

PRODUCT DESCRIPTION

The product is a powder coating developed to provide eye-catching finishes through uniform flow and oustanding appearance. The product features good chemical and mechanical properties and imparts excellent weather resistance as well as chalking resistance to UV light.

Application areas

This product is suitable for interior and exterior use.

Typical application areas:
Garden furniture
Agricultural machinery
Automotive parts and accessories
Bicycles
Air conditioners
Lighting apparatus
Fixtures

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.

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:

Substrate	**Pretreatment**
Aluminium	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 30 µS/cm.

Powder application

Curing schedule	**Object temperature**	**Time**
Standard cure	200 °C	10 minutes

Equipment

Suitable for Corona or Tribo charging equipment.

APPEARANCE

Colour

The product is available in a wide assortment of custom-made colours, including RAL and NCS.

Gloss

EN ISO 2813 (60°) 10-90

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) 65
Typical values when tested.

Property	Standard	Result
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0-1
Impact resistance	ASTM D2794 (5/8 '' ball)	Most grades exceed 2 mm 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	ASTM B117	Excellent. Measured with respect to corrosion, blistering and adhesion loss after 1000 hours exposure.
Resistance to humid atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.
UV resistance	ASTM G 154 (UVB-313)	Excellent . Measured with respect to color and gloss retention.

Disclaimer

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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.