Corro-Coat PE Series 7

PRODUCT DESCRIPTION

The product is a TGIC cured powder coating. It is developed to provide good appearance, combining protective properties, weather resistance and high quality finish.

Application areas

This product is suitable for interior and exterior use.

Typical application areas:
Garden furniture
Agricultural machinery
Automotive parts and accessories
Air conditioners
Fixtures
Building components

When screen printing or sealants are used, it is advised to run separate trials to ensure compatibility and to meet the required performance criteria.

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

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.

APPEARANCE

Colour	The product is available in a wide assortment of custom-made colours, including RAL and NCS.	
Gloss	EN ISO 2813 (60°)	20-95 (for smooth finishes)
Finish	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)	65

Typical values when tested.

Property	Standard	Result
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0 (100 % adhesion)
Impact resistance	ASTM D2794 (5/8 '' ball)	Most grades exceed 60 inch-pounds without film cracking
Cupping test	EN ISO 1520	Most grades exceed 5 mm without film cracking
Flexibility	EN ISO 1519	Most grades up to 12 mm without film cracking
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 70
Salt spray resistance	ASTM B117	Excellent Measured with respect to blistering and adhesion loss.
Resistance to humid atmospheres	DIN 50017	Excellent Measured with respect to blistering and adhesion loss.
UV resistance	ASTM G 154 (UVB-313)	Excellent Measured with respect to color and gloss retention.

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) for this product. For your nearest local Jotun office, please visit our website at www.jotun.com

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.

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