

Corro-Coat I-PE Series 35

PRODUCT DESCRIPTION

The product is a TGIC-free powder coating. It is developed to provide attractive decorative and surface protection properties.

Application areas

This product is recommended for interior use only.

Typical application areas:
Metal furniture and fixtures
Wire work
Pallet-racks
Hand tools
Shop fittings

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 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 170 °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°) Wide range of gloss levels

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 |
| 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 after 500 hours exposure. |
| Resistance to humid atmospheres* | 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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