

Reveal Lite E T

PRODUCT DESCRIPTION

This product is a TGIC containing clear powder coating designed for excellent flow and clarity. It can be used as a single coat or as a top coat over metallic or other powder coatings to provide humidity or weathering resistance and protection against fingerprinting.

Application areas

This product is recommended for interior and exterior use.

Typical application areas:

Office furniture
Home furniture
Commercial furniture
Sport and leisure equipment
Outdoor furniture

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	Calculated	Typically $1.2 \pm 0.05 \text{ g/cm}^3$

Storage

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

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.

Powder application

Curing schedule	Object temperature	Time
Reveal Lite E0 T	200 °C	10 minutes

Other curing schedules can be created upon technical approval.

Recommended film thickness (μm): ≥ 60

Equipment

Suitable for Corona charging equipment.

APPEARANCE

Colour	The product is clear
Gloss	Matt and high gloss
Finish	Smooth

PERFORMANCE

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

Substrate	Chrome-free treated aluminium panels
Substrate thickness (mm)	0.8
Film thickness (µm)	60-80

Typical values when tested.

Property	Standard	Result
Adhesion	EN ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
Cupping test	EN ISO 1520	Indentation depth in excess of 5 mm without film cracking
Flexibility	EN ISO 1519	Cylindrical mandrel bending test, passes 4 mm mandrel diameter
Pencil hardness test	ASTM D3363-05 (Derwent Graphic)	≥ HB
Resistance to neutral salt spray	ISO 9227 ISO 4628-2 ISO 4628-8	No blistering and maximum 1 mm corrosion creep from scribe after 504 hours
Resistance to humid atmospheres	ISO 6270-2 ISO 4628-2 ISO 4628-8	No blistering and maximum 2 mm corrosion creep from scribe after 504 hours
Accelerated weathering	ISO 16474-3	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. No chalking, excellent gloss retention and colour stability after 200 hours testing.

Sustainability

Powder coating is applied in air-and-powder mix in a strictly controlled factory process using electrostatic gun and a high temperature curing oven to create film. Virtually no VOCs are released in the process compared to traditional liquid paints. Unused or oversprayed powder can be recycled with minimal wastage. In addition, all Jotun Powder Coatings' products do not contain intentionally added lead.

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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