

## Reveal Lite E F

### PRODUCT DESCRIPTION

This product is a TGIC free 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		Typically 1.1 ± 0.1 g/cm <sup>3</sup>

### 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.

#### Powder application

Curing schedule	Object temperature	Time
Reveal Lite E F Single coat	180 °C	20 minutes
	190 °C	15 minutes
	200 °C	10 minutes

Recommended film thickness (µm): 60-80

#### Equipment

Suitable for Corona or Tribo charging equipment.

### APPEARANCE

**Colour** The product is clear.

**Finish** Smooth

## PERFORMANCE

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

Substrate Zinc phosphate cold rolled steel  
Substrate thickness (mm) 0.8  
Film thickness (µm) 60-80

Typical values when tested.

Property	Standard	Result
<b>Cupping test (Erichssen)</b>	ISO 1520	≥ 5 mm
<b>Bend test</b>	ASTM D522 (Method A, conical mandrel)	≤ 4 mm
<b>Impact resistance</b>	ASTM D2794 (5/8 " ball)	60/60 inch-pounds (front and reverse)
<b>Adhesion (Cross-cut test)</b>	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
<b>Pencil hardness test</b>	ASTM D3363-05	H
<b>Scratch resistance</b>	ISO 1518-1/ SIS 83 91 17	≤ 0.5 mm wide scratch at 3 N load having a hemispherical hard-metal tip of radius 0.5 mm
<b>Resistance to detergent</b>	Modified ASTM D 2248-01a (2% washing machine detergent)	No significant change after 72 hours exposure in 40 °C water solution
<b>Resistance to neutral salt spray</b>	ASTM B117	No blistering and maximum 1 mm corrosion creep from scratch after 720 hours
<b>Resistance to humid atmospheres</b>	DIN 50017	No blistering and maximum 2 mm corrosion creep from scratch after 720 hours
<b>QUV B</b>	ISO 16474-3:2013 (Lamp: UVB-313 Cycle 4 hrs at 50 °C UV and 4 hrs at 40 °C condensation)	No chalking, excellent gloss retention after 300 hours

## 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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