

Reveal Lite D

PRODUCT DESCRIPTION

This product is a hybrid clear powder coating having excellent clarity. It can be used as a single coat or as a top coat over metallic or opaque powder coatings to provide protection against humidity or fingerprint.

Application areas

This product is recommended for interior use only.

Typical application areas:

Office furniture

Home furniture

Commercial furniture

Sport and leisure equipment

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	ISO 8130	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 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
Steel	Iron / Zinc phosphate

Powder application

Curing schedule	Object temperature	Time
Standard cure	180 °C	10 minutes

Recommended film thickness (µm): 60-80

Equipment

Suitable for Corona charging equipment. Please contact technical authority for Tribo use.

APPEARANCE

Colour	Transparent	
Gloss	EN ISO 2813 (60°)*	120±10
	EN ISO 2813 (20°)*	110±10
Finish	Smooth	

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).

* on non-pretreated CRS panel

PERFORMANCE

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

Substrate	Iron-phosphated panel
Substrate thickness (mm)	0.8
Film thickness (µm)	60-80

Typical values when tested.

Property	Standard	Result
Cupping test (Erichsen)	ISO 1520	≥ 5 mm
Bend test	ASTM D522 (Method A, conical mandrel)	≤ 3 mm
Impact resistance	ASTM D2794 (5/8 " ball)	85/85 inch-pounds (front and reverse)
Adhesion (Cross-cut test)	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
Pencil hardness test	ASTM D3363-05	H
Scratch hardness test	ISO 4586-2	>1.0 N
Resistance to neutral salt spray	ASTM B117	No blistering and maximum 1 mm corrosion creep from scratch after 240 hours
Resistance to humid atmospheres	DIN 50017	No chalking, excellent gloss retention after 500 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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