Reveal Era A T

PRODUCT DESCRIPTION

Reveal Era A T is a TGIC-containing powder coating specifically designed to meet stringent requirements for an outdoor environment. It provides longevity to the outdoor fixtures by ensuring high levels of gloss retention, colour stability and corrosion protection along with aesthetic performance. This powder enables efficient application and provides uniform flow and attractive finish even after recycling.

Application areas

The overall excellent properties and attractive appearance of this product make it suitable for application to other ferrous and non-ferrous substrates.
This product is suitable for interior and exterior use.

Typical application areas:
Outdoor metal enclosure
Electrical cabinet and transformer
Solar energy equipment
Outdoor city facility
Exterior lighting fixtures

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	Calculated	Typically 1.5±0.2 g/cm³

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 Era A T	200 °C	10 minutes

Recommended film thickness (µm): ≥ 60

Equipment

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

APPEARANCE

Colour Selected range of RAL colours. Other colours can be custom-made upon request.

Gloss EN ISO 2813 (60°)

Series A03T	30±5
Series A06T	60±5
Series A07T	70±5
Series A08T	80±5
Series A01T	12±5
Series A07TM	Visual

Finish Smooth, Fine Texture, Coarse Texture, Metallic

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).

Gloss measurements of metallic effect coatings can show deviation from original levels specified in this document and visual comparison with the reference sample is recommended.
Gloss range used in TDS and on the label of the metallic effect coatings represents gloss of the base and not of the final finish.

PERFORMANCE

The product performance can be tested according to the customer's specific requirements and on other substrates upon request.

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

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

Typical values when tested.

Property	Standard	Result
Adhesion	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
Wet adhesion (Boiling water)	Qualicoat standard	Cross-cut rating Gt0 (100 % adhesion)
Impact resistance	ASTM D2794 (5/8 '' ball) (inch-pounds, front and reverse) Gloss 20-39 Gloss 40-59 Gloss 60-89 Fine texture Coarse texture GB/T 1732 (smooth, front)	 40/20 60/40 100/80 40/20 40/20 ≥50 kg.cm
Flexibility	EN ISO 1519	Passes 4 mm cylindrical Mandrel bend test without cracking.
Resistance to neutral salt spray	ISO 9227 ISO 4628-2 ISO 4628-8	No blistering and maximum 2 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 ºC UV and 4 hours at 40 ºC condensation. No chalking, good gloss retention and colour stability after 300 hours testing.

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) and the Application Guide (AG) for this product. For your nearest local Jotun office, please visit our website at www.jotun.com

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.

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