

## Reveal Style E A

### PRODUCT DESCRIPTION

Reveal Style E A is a range of TGIC-free powder coatings providing a premium finish such as superior flow and ultra matte non-sparkling finishes along with humidity and weathering resistance. The product meets the industry standard with regard to mechanical and chemical properties.

### Application areas

This product is suitable for interior and exterior use.

Typical application areas:

- Air-conditioning units
- Automotive parts and accessories
- Electrical cabinets
- Exterior lighting fixtures
- Exterior trim
- Fences
- Outdoor industrial racking
- Satellite dish antennas
- Security cameras
- Steel doors
- Street and garden furniture
- Telecom and machinery enclosures

### POWDER PROPERTIES

| Property         | Standard   | Result                              |
|------------------|------------|-------------------------------------|
| Specific gravity | Calculated | Typically 1.6±0.2 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 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 Style E0 | 200 °C             | 10 minutes |

Other curing schedules can be created upon technical approval.

Recommended film thickness (µm): ≥60

#### Equipment

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

## APPEARANCE

|               |                                       |     |
|---------------|---------------------------------------|-----|
| <b>Colour</b> | Available in a wide range of colours. |     |
| <b>Gloss</b>  | EN ISO 2813 (60°)                     | 0-9 |
| <b>Finish</b> | Smooth and fine 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 phosphate cold rolled steel |
| Substrate thickness (mm) | 0.8                              |
| Film thickness (µm)      | 60-80                            |

Typical values when tested.

| Property                                | Standard  | Result   |
|---|---|--|
| <b>Adhesion</b>                         | ISO 2409  | Cross-cut rating Gt0 (100 % adhesion)  |
| <b>Cupping test</b>                     | ISO 1520  | ≤5 mm, no detachment   |
| <b>Pencil hardness test</b>             | ASTM D3363-05<br>(Derwent Graphic)                | ≥ H  |
| <b>Impact resistance</b>                | ASTM D2794 (5/8 " ball) (inch-pounds, front only) | ≥ 10   |
| <b>Resistance to neutral salt spray</b> | ISO 9227<br>ISO 4628-2<br>ISO 4628-8              | No blistering and maximum 2 mm corrosion creep from scratch after 504 hours  |
| <b>Resistance to humid atmospheres</b>  | ISO 6270-2<br>ISO 4628-2<br>ISO 4628-8            | No blistering and maximum 2 mm corrosion creep from scratch after 504 hours  |
| <b>Accelerated weathering</b>           | 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

# Technical Data Sheet

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Jotun Protects Property

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.