

Reveal Era A

PRODUCT DESCRIPTION

Reveal Era A is a product specifically designed to meet stringent requirements for 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

These products are recommended to meet gloss retention and colour stability in outdoor requirements.

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

POWDER PROPERTIES

Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %.

APPLICATION

Pretreatment

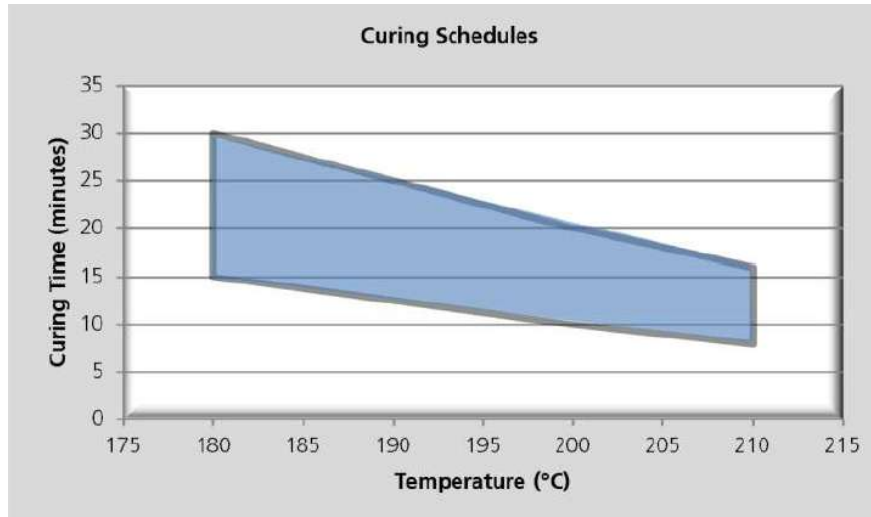
The overall quality of the coating system is largely dependent on the type and quality of the pretreatment.

The recommended types of pretreatment for the most frequently used substrates are:

Substrate	Pretreatment
Aluminium	Chromate or chrome-free conversion

Due to the various chrome-free/nano-technology pre-treatments available today, only the approved chrome-free/nano-technology/flash anodizing systems from Qualicoat and GSB shall be used.

Curing



Equipment

Suitable for Corona charging equipment.
Tribo application can be made upon request.

APPEARANCE

Colour

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

Finish

Suitable for Smooth, Fine Texture, Coarse Texture, Metallic

PERFORMANCE

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

Substrate Chromated aluminium panels
Substrate thickness (mm) 0.8
Film thickness (µm) 60-80 (80-120 µm for CTX)
Typical values when tested.

Property	Standard	Result
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0 (100 % adhesion)
Impact resistance	GB/T 1732	≥50kg.cm (Only Front)
Wet adhesion (Boiling water)	Qualicoat	Cross-cut rating Gt0 (100 % adhesion)
Flexibility	EN ISO 1519	Passes 4 mm cylindrical Mandrel bend test without cracking.
Film hardness	GB1730-82	≥2H (FTX and CTX), ≥B (SMO)
Neutral salt spray resistance	ASTM B117	After 1500 hours, corrosion creep on one side less than 3mm.
Humidity resistance	EN ISO 6270-2	After 1000 hours, corrosion creep on one side less than 2mm.
Accelerated weathering	DIN EN ISO 11507 (UVB - 313)	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. No chalking, good gloss retention and colour stability after 300 hours testing.

The performance on other substrates can be tested upon request.

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.