

## Guard Lumen E

### PRODUCT DESCRIPTION

Guard Lumen E is a powder coating developed with superior light reflectance, appearance and colour consistency in mind. 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:  
Lighting

### POWDER PROPERTIES

Property	Standard	Result
Specific gravity		Typically 1.75±0.10 g/m <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
Guard Lumen E8	180 °C 200 °C	10 minutes 5 minutes

Recommended film thickness (µm): >50 (Typical film thickness 65-80)

#### Equipment

Suitable for Corona or Tribo charging equipment.

### APPEARANCE

<b>Colour</b>	The product is available in white colours only. For availability of other colours, please contact your local Jotun Powder Coatings representative.	
<b>Gloss</b>	EN ISO 2813 (60°)	70-95
<b>Finish</b>	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).

## PERFORMANCE

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

Substrate	Iron-phosphated cold rolled steel (ST-B2)
Substrate thickness (mm)	0.8
Film thickness (µm)	70

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
<b>Impact resistance</b>	ASTM D2794 (5/8 " ball) (inch-pounds, front and reverse)	80/80
<b>Light reflectance</b>	EN 16268	Smooth class A 93.0-96.9 %
<b>Resistance to neutral salt spray</b>	ASTM B117	No blistering and maximum 1 mm corrosion creep from scratch after 240 hours
<b>Resistance to humid atmospheres</b>	ISO 6270-2	No blistering and maximum 2 mm corrosion creep from scratch after 504 hours
<b>Accelerated weathering</b>	DIN EN ISO 11507 (UVB - 313)	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. Min. 50 % gloss retention after 200 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.