

Guard Classic D

PRODUCT DESCRIPTION

Guard Classic is a commercial range of powder coatings available in a limited selection of colours and finishes (smooth and texture) to satisfy basic needs. The product meets the industry standard.

Application areas

This product is recommended for interior use.

Typical application areas:

- Indoor furniture
- Refrigerators
- Industrial racking systems
- Lighting fixtures
- Metal doors
- Medical equipment
- Machinery

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	Calculated	Typically 1.8±0.2 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.

Powder application

Curing schedule	Object temperature	Time
Guard Classic D0	200 °C	10 minutes
Guard Classic D8	180 °C	10 minutes

Other curing schedules can be created upon technical approval.

Recommended film thickness (µm): > 60

Equipment

Suitable for Corona or Tribo charging equipment.

APPEARANCE

Colour	Available in a limited selection of colours. Please contact your local sales representative for more information.	
Gloss	EN ISO 2813 (60°)	
	Smooth	40-89
	Textured	Visual check against master panels
Finish	Suitable for Smooth, Fine Texture, Coarse Texture	

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
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)
Cupping test	ISO 1520	≥ 5 mm
Impact resistance	ASTM D2794 (5/8 " ball) (inch-pounds, front and reverse) Smooth, gloss 60-89 Smooth, gloss 40-59 Fine texture Coarse texture	60/60 40/20 40/20 40/20
Resistance to neutral salt spray	ISO 9227 ISO 4628-2 ISO 4628-8	No blistering and maximum 1 mm corrosion creep from scribe after 240 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

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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