

## Guard Classic W

### PRODUCT DESCRIPTION

This product is a powder coating designed to meet the requirements of the appliance industry. It offers a good balance of economy and aesthetic performance along with corrosion, chemical and mechanical protection. Please contact your local sales representative for more information.

### Application areas

This product is recommended for interior use on surfaces exposed to a wet and corrosive environment.

Typical application areas:

Dishwashers  
Washing machines  
Dryers

### POWDER PROPERTIES

Property	Standard	Result
Specific gravity		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 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 W0	200 °C	10 minutes
Guard Classic W8	180 °C	10 minutes

Other curing schedules can be created upon technical approval.

Recommended film thickness (µm): 55-80

#### Equipment

Suitable for Corona or Tribo charging equipment.

### APPEARANCE

<b>Colour</b>	A variety of colours are available upon technical approval.	
<b>Gloss</b>	EN ISO 2813 (60°)	20-90
<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).

Other gloss levels are available upon technical approval.

## 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)	55-80

Typical values when tested.

Property	Standard	Result
<b>Adhesion</b>	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
<b>Film hardness</b>	EN ISO 2815	Indentation resistance according to Buchholz: >80
<b>Cupping test</b>	ISO 1520	≥ 6 mm
<b>Impact resistance</b>	ASTM D2794 (5/8 " ball)	100/80 inch-pounds (front and reverse)
<b>Flexibility, cylindrical mandrel</b>	ISO 1519	≤ 5 mm
<b>Resistance to NaOH</b>	5 % NaOH solution	No change after 20 hours exposure in room temperature
<b>Resistance to detergent</b>	1 % washing machine detergent	No significant change after 72 hours exposure in 40 °C water solution
<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 500 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

## Guard Classic W

---

