

## Guard Gaze

### PRODUCT DESCRIPTION

The product is a powder coating specifically developed to combine superior appearance and colour consistency with the benefits of additional operational efficiency. The product provides increased productivity and energy savings. The product meets the industry standard with regards to mechanical and chemical properties.

#### Application areas

This product is recommended for interior use only.

Guard Gaze product range encompasses products for dry usage conditions only and are respectively named Guard Gaze D6 and Guard Gaze D8.

Typical application areas:

- Home furniture
- Office furniture
- Lighting apparatus
- Lighting equipment
- Domestic shelving and racks
- Ceiling tiles
- Display and shop fittings
- Vending machines

### POWDER PROPERTIES

Property	Standard	Result
Specific gravity		1.60 ± 0.20 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
<b>Guard Gaze D6</b>	150 °C	15 minutes
	160 °C	10 minutes
	180 °C	5 minutes
<b>Guard Gaze D8</b>	180 °C	10 minutes
	190 °C	7 minutes
	200 °C	5 minutes

Recommended film thickness ( $\mu\text{m}$ ): 50-100  
(depending on shade and finish)

### Equipment

Suitable for Corona or Tribo charging equipment.

## APPEARANCE

<b>Colour</b>	The product is available in a wide variety of RAL and NCS colours. The product colour range is entirely lead free.	
<b>Gloss</b>	ISO 2813 (60°)	
	Guard Gaze D6	60-95
	Guard Gaze D8	25-95
<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).

The flow ranges from PCI 6 to 9 at film thickness of 60  $\mu\text{m}$  and higher, depending on the colour and gloss levels used.

## 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 ( $\mu\text{m}$ )	55-65

Typical values when tested.

Property	Standard	Result
<b>Adhesion</b>	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
<b>Film hardness</b>	ISO 2815	Indentation resistance according to Buchholz: $\geq 80$
<b>Cupping test</b>	ISO 1520	$\geq 6$ mm
<b>Impact resistance</b>	ASTM D2794 (5/8 " ball) (inch-pounds, front and reverse) Guard Gaze D6 Guard Gaze D8 (Gloss: 25-59) Guard Gaze D8 (Gloss: 60-95)	 120/80 40/20 120/80
<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, maximum 2 mm corrosion creep from scratch, maximum colour change $dE \leq 1.0$ 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.