

Guard Style K H

PRODUCT DESCRIPTION

Guard Style K H is a range of TGIC-free powder coatings developed with good appearance and colour consistency in mind. It is available in a wide range of colours and finishes (smooth and texture). The product meets the requirements of the industry standard for mechanical and corrosion properties.

Application areas

The product is suitable for interior and exterior use.

Typical application areas:
Balcony furniture (tables, chairs)
Industrial racking systems
Balcony fixtures
Metal doors
Machinery

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	Calculated	Typically $1.6 \pm 0.2 \text{ g/cm}^3$

Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. If stored longer than 12 months a quality test must be performed.

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 Style K6	160 °C	10 minutes
Guard Style K8	180 °C	10 minutes
Guard Style K9	190 °C	10 minutes

Recommended film thickness (μm): ≥ 50

Equipment

Suitable for Corona charging equipment. Please contact technical authority for Tribo use.

APPEARANCE

Colour	The product is available in a variety of colours.
Gloss	EN ISO 2813 (60°) Smooth: K6H 60-89 K8H 50-89 K9H 20-49 Textured: Visual check against master panels
Finish	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).

Other gloss levels are available upon technical approval.

PERFORMANCE

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

Substrate	Zinc-phosphated cold rolled steel panels
Substrate thickness (mm)	0.8
Film thickness (µm)	50-70

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) Gloss 20-39 Gloss 40-59 Gloss 60-89 Fine texture Coarse texture	40/20 60/40 100/80 40/20 40/20
Resistance to neutral salt spray	ISO 9227 ISO 4628-2 ISO 4628-8	No blistering and maximum 2 mm corrosion creep from scribe after 504 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
Accelerated weathering	ISO 16474-3	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. No chalking, good gloss retention and colour stability after 100 hours testing.

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

Technical Data Sheet

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will prevail.