

Guard Style D AB

PRODUCT DESCRIPTION

Guard Style D AB is a range of powder coatings developed with good appearance and colour consistency in mind. The product meets the industry standard with regard to mechanical and chemical properties. This product contains antibacterial technology to preserve the surface and prevent degradation caused by bacterial growth.

Application areas

This product is recommended for interior use on surfaces exposed to a dry environment.

Typical application areas:

- Home furniture
- Office furniture
- Lighting
- Shelving and racking
- Ceiling tiles
- Display and shop fittings
- Vending machines
- Escalators and elevators
- Steel doors

Medical care:

- Hospital beds
- Instrument trays
- Sterilization equipment
- Cabinets and cots

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 D6 AB	160 °C	10 minutes
Guard Style D8 AB	180 °C	10 minutes
Guard Style D0 AB	200 °C	10 minutes

Other curing schedules can be created upon technical approval.

Recommended film thickness (µm): >50

Equipment

Suitable for Corona or Tribo charging equipment.

APPEARANCE

Colour The product is available in a wide variety of RAL and NCS colours.

Gloss ISO 2813 (60°)
Guard Style D8/D0 AB 20-89
Guard Style D6 AB 60-89

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).

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) 55-65
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: 25-59 Gloss: 60-89 Fine texture Coarse texture	40/20 60/60 40/20 40/20
Resistance to neutral salt spray	ISO 9227	No blistering and maximum 1 mm corrosion creep from scribe after 240 hours
Resistance to humid atmospheres	ISO 6270-2	No blistering and maximum 2 mm corrosion creep from scribe after 504 hours
Determination of antibacterial activity	MOD ISO22196	Typical value when tested is more than 99% reduction. MRSA E.coli

Disclaimer

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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.