

# PRODUCT DATA SHEET

## *Ganzlin AG – GL / MA 619* *Fine structure ANTI-GRAFFITI* *Metallic*

### **Area of application:**

High weather resistant Polyurethan powder coating preferably for special coatings, like e. g. facade elements and noise barriers.

### **Characteristics:**

Polyurethan powder coating for manufacturing of glossy (GL) and matt (MA) metallic-fine structured paint films with a very good permanent anti-graffiti effect, high weather resistance as well as excellent chemical and solvent resistance. We tested different graffiti remover, but we recommend testing every remover possibly on the effectiveness and suitability.

### **Colour setting:**

According to the customer's requirements, with only carefully selected and tested pigments being used to ensure a high light and weather resistance.

**Note:** Each coating is unique, as the effect is highly dependent on the applied coating thickness, the system setting and the heating rate.

### **Pretreatment:**

Depending on the requirements with regards to the final product's adhesion and corrosion resistance and the quality of the surface/substrate, the following options are available:

<u>Steel:</u>	degreasing, blasting, iron or zinc phosphate
<u>Aluminium:</u>	degreasing, blasting, passivating or chromalising according to DIN 50939 and/or suitable chrome-free pretreatment
<u>Galvanised substrates:</u>	degreasing, sweepen, zinc phosphate or chromalising and/or suitable chrome-free pretreatment

### **Processing:**

Electrostatic coating (EPS) at a processing voltage of 30 to 100 kV. The relevant **safety instructions** (BGV D25, VDE and VDM guidelines) and our EU safety data sheet must be observed and followed.

Recommended thickness: 70 µm ± 15 µm

Please note that the minimum layer thickness for a sufficient hiding power is depending on the colour shade. A corresponding layer thickness recommendation specified according to the VdL-RL 10 can be provided upon request.

**Note:** The product cannot be overcoated with itself in all cases. Please check in advance on your own responsibility!

### **Stoving conditions** according to DIN 55990-4:

10 – 15 min. at 200 °C object temperature  
8 – 12 min. at 210 °C object temperature

### **Shelf life:**

18 months from delivery subject to dry storage at temperatures not exceeding 25°C and without exposure to radiator heat and sunlight!

## PRODUCT SPECIFICATIONS:

The test results have been measured at a layer thickness of  $70 \pm 10 \mu\text{m}$  on a cleaned aluminium test panel of 0.7 mm.

<b>Density</b>	DIN EN ISO 2811-1	1.2 – 1,7 g/cm <sup>3</sup> (depending on colour shade)
<b>Gloss</b>	DIN EN ISO 2813 Angle of 60°	< 15 matt structures > 15 glossy structures
<b>Bending test</b>	DIN EN ISO 1519	not bendable!
<b>Erichsen cupping test</b>	DIN EN ISO 1520	> 2 mm
<b>Buchholz hardness</b>	DIN EN ISO 2815	> 80
<b>Weather resistance</b> (QUV, 300 h)	DIN EN ISO 11507	Relative residual gloss (60°) > 50%
<b>Light fastness</b>	DIN EN ISO 105-B02	≥ 6
<b>Salt spray test</b>	DIN EN ISO 9227	No blistering after 500 h and under-corrosion ≤ 1 mm
<b>Condensate constant climate</b>	DIN EN ISO 6270-2	No blistering after 500h and under-corrosion ≤ 1 mm
<b>Condensate alternating climate</b>	DIN EN ISO 3231 0,2   SO <sub>2</sub>	No blistering after 10 cycles and under-corrosion ≤ 1 mm

### Packaging:

15 kg polyethylene bag in disposable cardboard box

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