

# PRODUCT DATA SHEET

## Ganzlin AG-GL 19 ANTI-GRAFFITI

### Area of application:

High weather resistant polyurethane powder coating (OH-polyester) preferably for special coating, e.g., facade elements and noise barriers.

### Characteristics:

Polyurethane powder for manufacturing of glossy paint films with a very good permanent **anti-graffiti effect**, high weather resistance and 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.

### 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 pre-treatment
<u>Galvanised substrates:</u>	degreasing, blasting, zinc phosphate or chromalising and/or suitable chrome-free pre-treatment

### 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.

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.

Notice: The Product is not overcoated with itself.

### 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 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°	90 ± 10
<b>Cross-cut adhesion test</b>	DIN EN ISO 2409	Gt 0-1
<b>Bending test</b>	DIN EN ISO 1519	≥ 10 mm
<b>Erichsen cupping test</b>	DIN EN ISO 1520	> 5 mm
<b>Buchholz hardness</b>	DIN EN ISO 2815	> 80
<b>Weather resistance</b> (QUV-B, 300 h)	DIN EN ISO 11507	Relative residual gloss (60°) > 50 %
<b>Light fastness</b>	DIN EN ISO 105-B02	≥ 7
<b>Mortar resistance</b>	ASTM C 207	Easily removable without residuals after 24 h exposure to mortar
<b>Salt spray test</b>	DIN EN ISO 9227	no blistering after 1000 h and under-corrosion ≤ 1 mm
<b>Condensate constant climate</b>	DIN EN ISO 6270-2	no blistering after 1000 h and under-corrosion ≤ 1 mm
<b>Condensate alternating climate</b>	DIN EN ISO 3231 0,2 l SO <sub>2</sub>	no blistering after 30 cycles and under-corrosion ≤ 1 mm

### Packaging:

15 kg polyethylene bag in disposable cardboard box

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