PRODUCT DATA SHEET

Ganzlin AG–SG419
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 semi 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:

Steel:	degreasing, blasting, iron, or zinc phosphate
Aluminium:	degreasing, blasting, passivating or chromalising according to DIN 50939 and/or suitable chrome-free pre-treatment
Galvanised substrates:	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 ± 10 µm on a cleaned aluminium test panel of 0.7 mm.

Density	DIN EN ISO 2811-1	1,2 – 1,7 g/cm³ (depending on colour shade)
Gloss	DIN EN ISO 2813 Angle of 60°	75 ± 10
Cross-cut adhesion test	DIN EN ISO 2409	Gt 0-1
Bending test	DIN EN ISO 1519	≥ 10 mm
Erichsen cupping test	DIN EN ISO 1520	> 5 mm
Buchholz hardness	DIN EN ISO 2815	> 80
Weather resistance (QUV-B, 300 h)	DIN EN ISO 11507	Relative residual gloss (60°) > 50 %
Light fastness	DIN EN ISO 105-B02	≥ 7
Mortar resistance	ASTM C 207	Easily removable without residuals after 24 h exposure to mortar
Salt spray test	DIN EN ISO 9227	no blistering after 1000 h and under-corrosion ≤ 1 mm
Condensate constant climate	DIN EN ISO 6270-2	no blistering after 1000 h and under-corrosion ≤ 1 mm
Condensate alternating climate	DIN EN ISO 3231 0,2 l SO_2	no blistering after 30 cycles and under-corrosion ≤ 1 mm

Packaging:

15 kg polyethylene bag in disposable cardboard box