

PRODUCT DATA SHEET

Ganzlin AC – GL / SG 029 *fine rough structure*

Area of application:

Weather and light resistant polyurethane powder coating for industrial coatings, like e. g. switch cabinets, machine cover parts, etc.

Characteristics:

Polyurethane powder coating in fine rough structure, glossy or silk-glossy, with good chemical resistance and high penetration capacity, for manufacturing of paint films with constant textured surfaces.

Colour setting:

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

The colour settings will be oriented to the specified colour tolerances of VdL-RL 10th.

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, sweepen, zinc phosphate or chromalising and/or suitable chrome-free pre-treatment

Processing:

Electrostatic coating (EPS) at a processing voltage of 30 to 100 kV; or electro kinetic coating (Tribo-charging, except metallic settings). The relevant **safety instructions** (BGV D25, VDE and VDM guidelines) and our EU safety data sheet must be observed and followed.

Recommended layer thickness for fine rough structure: 80 - 100 µm

Please note that the minimum layer thickness for a sufficient hiding power is depending on the colour shade. This may depart from the recommended layer thickness. A recommendation based on the colour shade is made available on request.

Stoving conditions according to DIN 55990-4:

15 min. at 190 °C object temperature

10 min. at 200 °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 - 90 µm on a steel test panel of 0.8 mm covered with a zinc phosphate layer.

Density	DIN EN ISO 2811-1	1,3 – 1,7 g/cm ³ (depending on colour shade)
Cross cut adhesion test	DIN EN ISO 2409	GT 0
Bending test	DIN EN ISO 1519	≤ 8 mm
Erichsen cupping test	DIN EN ISO 1520	> 4 mm
Buchholz hardness	DIN EN ISO 2815	> 80

Light fastness	DIN EN ISO 105-B02	≥ 6
Weather resistance (QUV-B, 200 h)	DIN EN ISO 11507	residual gloss (60°) must be > 50%
Salt spray test	DIN EN ISO 9227	No blistering after 240 h and under-corrosion ≤ 1 mm
Condensate constant climate	DIN EN ISO 6270-2	No blistering after 240 h and under-corrosion ≤ 1 mm
Condensate alternating climate	DIN EN ISO 3231 0,2 l SO ₂	No blistering after 10 cycles and under-corrosion ≤ 1 mm

Chemical resistance	DIN EN ISO 2812-4 DIN EN ISO 4628-1	characteristics
Ethanol	15s / 1h / 24h	0 / 0 / 1
Ethylacetat	15s / 1h / 24h	1 / 2 / 2 little matting
Methylethylketon	15s / 1h / 24h	1 / 2 / 2 little matting
Cyclohexan	15s / 1h / 24h	0 / 0 / 0
Ammonia solution 3%ig	15s / 1h / 24h	0 / 0 / 0
Hydrauliy oil	15s / 1h / 8h / 24h 40h / 200h	0 / 0 / 0 / 0 0 / 0
Temperature stability	4h by 150°C	No change in colour, easier veil in dark colour

Packaging:

15 kg polyethylene bag in cardboard box

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