

PRODUCT DATA SHEET

Ganzlin FA - GL

Area of application:

High weather-resistant powder coating for the coating of aluminium building component.
TGIC – free.

Characteristics:

Polyester powder for manufacturing glossy paint films with excellent flow and covering characteristics as well as high elasticity and impact resistance.

Colour setting:

According to the customer's requirements, with only carefully selected and tested pigments being used in order 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; or electrokinetic coating (tribo-charging). 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.

Stoving conditions according to DIN 55990-4:

15 – 25min. at 160 °C object temperature
5 – 10 min. at 180 °C object temperature

Shelf life:

6 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 0,7 mm chromated aluminium test panel.

Density	DIN EN ISO 2811-1	1,3 – 1,6 g/cm ³ (depending on colour shade)
Gloss	DIN EN ISO 2813 Angle of 60°	90 ± 10
Cross-cut adhesion test	DIN EN ISO 2409	Gt 0A
Bending test	DIN EN ISO 1519	≤ 4 mm
Erichsen cupping test	DIN EN ISO 1520	> 6 mm
Buchholz hardness	DIN EN ISO 2815	> 80
Impact test	ASTM D 2794	> 30 inchpound
Cutting, drilling, milling		Possible without damages
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

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