

# PRODUCT DATA SHEET

## Ganzlin AP – SM

### Area of application:

Weather- and light-resistant polyester powder coating for outdoor applications. Suited for general industrial coatings, like e.g. utility vehicle parts, fences steel constructions, mechanical engineering parts, ect.

### Characteristics:

Polyester powder for manufacturing semi-matt 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.

Tip: In dark colours are layer thickness > 100 µm to avoid!

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

- 10 – 15 min. at 180°C object temperature
- 8 – 12 min. at 200°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 steel test panel of 0.8 mm covered with a zinc phosphate layer.

<b>Density</b>	DIN EN ISO 2811-1	1,3 – 1,5 g/cm <sup>3</sup> (depending on colour shade)
<b>Gloss</b>	DIN EN ISO 2813 Angle of 60°	40 ± 5
<b>Cross-cut adhesion test</b>	DIN EN ISO 2409	Gt 0A
<b>Bending test</b>	DIN EN ISO 1519	≤ 4 mm
<b>Erichsen cupping test</b>	DIN EN ISO 1520	> 6 mm
<b>Buchholz hardness</b>	DIN EN ISO 2815	> 80
<b>Impact test</b>	ASTM D 2794	> 80 inchpound
<b>Weather resistance</b> (QUV-B, 200 h)	DIN EN ISO 11507	Relative residual gloss (60°) > 50 %
<b>Light fastness</b>	DIN EN ISO 105-B02	≥ 7
<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 500 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 20 cycles and under-corrosion ≤ 1 mm

### Packaging:

15 kg polyethylene bag in disposable cardboard boxes

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