

# PRODUCT DATA SHEET

## *Ganzlin AP – BSG 415*

### **Area of application:**

Weather- and light-resistant polyester powder coating for outdoor applications. Suited for general industrial coatings, like e.g. container, steel constructions, gas cylinders, mechanical engineering parts, etc.

### **Characteristics:**

Polyester powder for manufacturing silk-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 pretreatment
<u>Galvanised substrates:</u>	degreasing, blasting, zinc phosphate or chromalising and/or suitable chrome-free pretreatment

### **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:

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	ca. $1.6 \text{ g/cm}^3$ (depending on colour shade)
<b>Gloss</b>	DIN EN ISO 2813 Angle of $60^\circ$	$65 + 10 / - 5$
<b>Cross-cut adhesion test</b>	DIN EN ISO 2409	Gt 0A
<b>Bending test</b>	DIN EN ISO 1519	$\leq 5 \text{ mm}$
<b>Erichsen cupping test</b>	DIN EN ISO 1520	$> 5 \text{ mm}$
<b>Buchholz hardness</b>	DIN EN ISO 2815	$> 80$
<b>Impact Test</b>	ASTM D 2794	$> 80 \text{ inchpound}$
<b>Weather resistance</b> (QUV, 200 h)	DIN EN ISO 11507	Relative residual gloss ( $60^\circ$ ) $> 50\%$
<b>Light fastness</b>	DIN EN ISO 105-B02	$\geq 7$
<b>Salt spray test</b>	DIN EN ISO 9227	No blistering after 500 h and under-corrosion $\leq 1 \text{ mm}$
<b>Condensate constant climate</b>	DIN EN ISO 6270-2	No blistering after 500 h and under-corrosion $\leq 1 \text{ mm}$
<b>Condensate alternating climate</b>	DIN EN ISO 3231 0,2 l SO <sub>2</sub>	No blistering after 20 cycles and under-corrosion $\leq 1 \text{ mm}$

### Packaging:

15 kg polyethylene bag in disposable cardboard box

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