

Aluminium Paint



effective
abrasion resistant

Aluminium Paint is used as corrosion protection and for the optical enhancement of metallic surfaces. Upon contact with moisture, aluminium pigments form a dense, almost impermeable oxide layer on the surface which prevents further moisture penetration.

High abrasion-resistance and a long colour --shade guarantee are achieved by pigments which evenly distribute themselves throughout the entire coating upon application.

This protects WEICON Aluminium Paint against abrasion and chemical effects after it has thoroughly hardened.

Technical data

Colour shade / level of brilliance	Aluminium / metallic shine
Binding agent	Alkyd combination
Pigment	Aluminium pigments (D50 16 µm)
Pigment purity	approx. 99.5 %
Specific weight	1,00 g/cm³
Percentage of metal in dry film	approx. 32.0 %
Viscosity (DIN EN ISO 2431)/Consistency	approx. 120 s 4 mm / stretchable
Processing temperature	+18 bis +30 °C
Consumption	approx. 150 ml/m²
Spray consistency	10 - 20 % universal thinning
Dust dry after	60 min.
Hardened after	12 h
Recoat/can be reprimed after	12 h
Final hardness after	48 h
Minimum layer thickness	20 µm
Cross-cut test (DIN 53151)	Characteristic value GT 0 to GT 1
Salt spray test (DIN 50021, DIN EN ISO 9227)	100 h
Mandrel bending test, mandrel 5 mm (DIN EN ISO 1519)	No formation of hairline cracks
Temperature resistance (final hardness)	approx. +300 (from +100 slight discolourations are possible) °C
Primer	WEICON Brushable Zinc Paint / Brushable Zinc Coating
Shelf life	12-18 months
Classification in acc. with Directive 2004/42 EC cat. "A/i"	< 500g/l VOC

Pretreatment of the surface

Clean the material surfaces and degrease with Cleaner Spray S. In the case of sensitive, non-metallic materials, use WEICON Surface Cleaner.

WEICON Metal Pigment Coatings should at the latest be applied one hour after pre-treatment by e.g. sand blasting, sanding, cleaning or degreasing. Temperature differences between the surface and the air should be kept as small as possible, as otherwise, there is a risk that condensation may form (dew point +7 °C).

Processing

Allow the container to reach room temperature (+20 °C) and stir the sediment at the bottom of the container well. Apply WEICON Metal Pigment Coatings evenly with a brush or roller. Whilst processing, stir at regular intervals so that the active agent stays homogenous. Alternatively, the processing is possible with a spray gun (see technical data for the spraying consistency).

High processing temperatures up to +30 °C (max.) and low levels of air humidity help to create an even application and an optimum surface structure.

WEICON Metal Pigment Coatings can also be applied on surfaces with temperatures up to -10 °C. In the case of temperatures below zero, the structure of the surface is somewhat worse. On account of the solvent which only evaporates over a long period and the slow hardening, the paint has a tendency to form 'tears' on vertical surfaces.

Storage

Keep away from sources of ignition - No smoking Take precautionary measures against static discharges. Keep in closed original container. Do not store with combustible materials. Store container at cool and aired place. Protect from heat/overheating.

Note

Any product specifications and recommendations given herein must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Health and Safety

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

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