

Surface and anti-corrosion coating

Brushable Liquid Zinc Paint



Efficient cathodic corrosion protection

WEICON Brushable Liquid Zinc Paint is a metal pigment coating, which can be used to actively and permanently protect metallic surfaces against corrosion. WEICON Brushable Liquid Zinc Paint uses high concentration and pure spherical (round) metal pigments. The high amount of zinc in the coating ensures efficient cathodic corrosion protection. For repairs and coatings of frames, gates, doors, balustrades, poles, posts, machine parts etc. Thus, it meets the requirements stated in the DIN EN ISO 1461 standard. If the surface is damaged, the zinc molecules react with air humidity to form zinc oxide molecules which protect the base material from corrosion.

Charakteristik

Colour	zinc grey / matt	
Pigment	Zinc pigments D50 4 µm	
Pigment purity	ca. 98.5 %	
Binder	Epoxy resin ester	
Metal content in dry film	~ 60,5 %	
Viscosity	DIN EN ISO 2431	approx. 70s 4 mm / spreadable
Density	2 g/cm ³	
Spray consistency	10 - 20% universal dilution	
Shelf life	12 mon.	

Verarbeitung

Processing temperature	+18°C to +30°C °C	
Mindestschichtstärke	50 µm	
Consumption	~120 ml/m ²	

Aushärtung

cured after	12 h	
Final strength	48 h	

Mechanische Eigenschaften

Cylindrical mandrel bend test	DIN EN ISO 1519	no hairline cracking
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Thermische Kennwerte

Temperature resistance	approx. +400 °C
Flashpoint	30 °C
Boiling point	137 °C

Chemische Kennwerte

Salt spray test	DIN EN ISO 9227	400 h
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Approvals / Guidelines

IMPA Code	252103/04	
ISSA Code	53.402.62/63	
IKS	DIN EN ISO 9227-NSS /	672 Stunden

Surface pre-treatment

Clean and degrease material surfaces with Cleaner Spray S. For sensitive, non-metallic materials, WEICON Surface Cleaner should be used. WEICON Metal Pigment Coatings should be applied one hour after pre-treatment at the latest by e.g. sandblasting, grinding, cleaning or degreasing. Temperature differences between the surface and the air should be as small as possible, otherwise there is a risk of condensation (dew point +7°C).

Processing

Bring the containers to room temperature (+20°C) and stir the sediment well. Apply WEICON Metal Pigment Coatings evenly with a brush or roller. Stir at regular intervals during application to ensure that the active substance remains homogeneous. Alternatively, application by spray gun is possible (for spray consistency see technical data). High application temperatures up to max. +30°C and low humidity favour an even spreading pattern and an optimal surface structure. WEICON Metal Pigment Coatings can also be applied to surfaces with temperatures down to -10°C. At temperatures in the negative range, the surface has a slightly poorer structure. Due to the very slow evaporation of solvents and slower curing, the applied varnish tends to form "tears" on vertical surfaces.

Shelf life

Keep away from ignition sources - do not smoke. Take measures to avoid electrostatic charge. Store in tightly closed original container. Do not store with flammable materials. Keep container in a cool, well-ventilated location. Protect from warming/overheating.

Safety and health

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

Note

The specifications and recommendations given in this technical data sheet 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 guarantee the continuously high quality of our products. 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.

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Accessories

15810001	Adapter for WSD 400, 1 PCE
15811002	Spray Set for WSD 400, 1 PCE
15811400	WSD 400 Pressurized-Air Spray Can, 400 ml
15831001	Adjusting Valve for cans, 1 PCE
15841500	Pump Dispenser WPS 1500, 1 PCE
15841501	Extension tube for WPS 1500, 1 PCE
15843001	WEICON Pump Dispenser Special, 1 L

Available sizes:

15000902	Brushable Liquid Zinc Paint, 2,5 L
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To the product detail page:



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