

Surface and Anti-Corrosion Coating

Brushable Liquid Zinc Coating



Repair for galvanized surfaces with a colour shade matching hot-dip galvanization

WEICON Brushable Liquid Zinc Coating provides active protection against corrosion for all metallic surfaces and is available in a colour shade matching galvanization. In the case of WEICON Brushable Liquid Zinc Coating, flaky metal pigments (flakes) settle parallel to the surface in several, spatially displaced layers on the substrate (shingle effect). That way, even when the layer thickness is low, high corrosion protection is achieved. Thus, it meets the requirements stated in the DIN EN ISO 1461 standard. This protects the surface longer from penetrating moisture. Optimal corrosion protection is achieved through the simultaneous electrochemical effect.

Characteristics

Colour	galvanized / metallic gloss
Pigment	Zinc and aluminium pigments (D50 25 µm)
Pigment purity	approx. Al 99.5% and Zn 99.9%
Binder	Alkyd resin
Metal content in dry film	~ 58,5 %
Viscosity	ca. 70s 4mm
Texture	spreadable
Spray consistency	10 - 20% universal dilution
Minimum shelf life	at room temperature 12 mon.

Processing

Processing temperature	+18°C to +30°C
Minimum layer thickness	30 µm
Max. layer thickness	per step 200 µm
Consumption	at Minimum layer thickness ~120 ml/m²

Curing

Layer thickness after drying	20 %
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Mechanical properties

Mandrel bending test	DIN EN ISO 1519 no hairline cracking
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Thermal parameters

Temperature resistance	approx. +240 °C
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Approvals / Guidelines

ISSA Code	53.402.60/61
IMPA Code	252101/02
MIL-Spec	complies with MIL-C-16173

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).

Application

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.

Storage

Keep tightly closed in original packaging. Protect from direct sunlight. The storage temperature must not exceed +50 °C. Keep container in a cool, well-ventilated place. Store in a dry place.

Instructions for use

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.

Accessories

10000393	Adapter for WSD 400, 1 PCE
10000402	Pump Dispenser Special, 1 PCE
10016213	Extension tube for WPS 1500, 1 PCE
10016002	Pump Dispenser WPS 1500, 1 PCE
10000398	Adjusting Valve for cans, 1 PCE
10009301	WSD 400 Pressurized-Air Spray Can, 1 PCE
10009303	Spray Set for WSD 400, 1 PCE

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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Available sizes

10000327	Brushable Liquid Zinc Coating, 375 ml
10000328	Brushable Liquid Zinc Coating, 750 ml
10000404	Brushable Liquid Zinc Coating, 2,5 L

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