

## 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.

#### Characteristics

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	ca. 70s 4 mm
Texture	spreadable
Density	2 g/cm <sup>3</sup>
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	50 µm
Max. layer thickness	per step 200 µm
Consumption	at Minimum layer thickness ~120 ml/m <sup>2</sup>

#### Curing

Cured after	10-12 h
Final strength	48 h
Layer thickness after drying	30 %

#### Mechanical properties

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

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

#### Chemical properties

VOC (EG)	500 g/l VOC
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#### Approvals / Guidelines

ISSA Code	53.402.62/63
IMPA Code	252103/04
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](http://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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### Available sizes

10000321	Brushable Liquid Zinc Paint, 750 ml
10000322	Brushable Liquid Zinc Paint, 375 ml
10000403	Brushable Liquid Zinc Paint, 2,5 L

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To the product detail  
page:

