Technical Sprays
Surface and Anti-Corrosion Coating

Zinc Spray bright grade



Nonfood Compounds
Program Listed **R2**
Registration **156013**

Long-term cathodic corrosion protection | bright colour shade matching hot-dip galvanization

WEICON Zinc Spray "bright grade" is approved by the German TÜV and provides all metal surfaces with a long-lasting cathodic corrosion protection. It has a bright colour shade matching fresh hot-dip galvanization. It forms a fast-drying, adherent protective layer of microfine zinc flakes. The zinc flakes form a resistant protective layer even against extreme weather and environmental conditions. Even after more than 550 hours in the salt spray test according to DIN EN 9227, metal parts coated with WEICON Zinc Spray "bright grade" did not show any corrosion.

WEICON Zinc Spray "bright grade" can be used for the coating of welded joints and drill holes, as a conductive intermediate layer for spot welding and wherever metal must be protected against corrosion. Zinc Spray bright grade corresponds to ASTM A 780 as repair coating for hot galvanized surfaces.

Technical data

Colour		matching hot-dip galvanizations
Application range		indoor and outdoor use
Binder		modified alcyd resin
Pigment		flaky zinc and aluminium pigments
Pigment purity		ca. 99.9% Zn / ca. 99.5% Al
Metal content in dry film		~70 %
Processing temperature		+5°C to +35°C, ideally +18°C to +35°C
Recommended primer		Zinc Spray
Consumption	per 1.5 crosswise application	150 ml/m²
Layer thickness with 1.5 crosswise applications approx.		20 - 40 µm
Dust-dry after		15 min.
Minimum shelf life	at room temperature	24 mon.
Cured after		10-12 h
Can be painted after		after 24 h
Grid cut	DIN 53151/ISO 2409	Cross cutting test value 0 to 1
Abrasion-resistant		yes
Mandrel bending test	DIN EN ISO 1519	no hairline cracking
Top coat		not required
Density		1,0 g/cm³
Temperature resistance		-50°C to +300°C
Compatible with Double Nozzle		no

Approvals / Guidelines

NSF	R2 (FDA 21 CFR)
ISSA Code	53.402.07
IMPA Code	450812
IKS	DIN EN ISO 9227-NSS / 576 hours

Surface pretreatment

Clean and degrease surfaces with WEICON Surface Cleaner.

Application

Shake can before use until the mixing ball can be heard clearly. Spray on evenly and crosswise at room temperature (approx. 20°C) and at about 25 cm distance from the surface. Dust-dry after approx. 15 minutes, fully hardened after approx. 10-12 hours.

Storage

Container is pressurised. Protect from direct sunlight and temperatures above +50 °C.

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.

Available sizes

10000047 Zinc Spray bright grade, 400 ml

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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