Technical Sprays
Surface and Anti-Corrosion Coating

Zinc Spray



NSF Nonfood Compounds Program Listed **R2** Registration **156012**

Long-lasting cathodic corrosion protection | paintable | >1050 hours salt spray test according to DIN EN ISO 9227

WEICON Zinc Spray is approved by the German TÜV and provides all metal surfaces with a long-lasting cathodic corrosion protection. It forms a fast-drying, adherent protective layer of microfine zinc flakes. Even after more than 1050 hours in the salt spray test according to DIN EN ISO 9227, metal parts coated with WEICON Zinc Spray did not show any signs of corrosion. The zinc flakes form a resistant protective layer even against extreme weather and environmental conditions. That way, WEICON Zinc Spray fulfils higher requirements than those defined by the DIN EN ISO 1461 standard. WEICON Zinc Spray can be used as a high-grade anti-rust primer, 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.

Technical data

Colour		RAL 9006* "slightly weathered galvanization"
Application range		indoor and outdoor use
Binder		Styrene alkyd
Pigment		flaky zinc and aluminium pigments
Pigment purity		ca. 99.9% Zn / ca. 99.9% Al
Metal content in dry film		~70 %
Processing temperature		+5 to +35°C, ideally +18 to +35°C
Recommended primer		not required
Consumption	per 1.5 crosswise application	~ 2 m²
Layer thickness with 1.5 crosswise applications approx.		30 - 50 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
Abrasion-resistant		yes
Complies with		Registered in the NSF White Book
Mandrel bending test	DIN EN ISO 1519	no hairline cracking
Top coat		not required
Density		1,1 g/cm³
Temperature resistance		-50°C to +500°C
Compatible with Double Nozzle		no

Approvals / Guidelines

NSF	R2 (FDA 21 CFR)
ISSA Code	53.402.06
IMPA Code	450811
IKS	DIN EN ISO 9227-NSS / 1080 hours
Complies with	Registered in the NSF White Book

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

10000016 Zinc Spray, 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.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquaters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Colombia S.A.S
Colombia
Phone: +57 314 793 86 06
Email: info@weicon.co

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.L.
Italy
phone +39 (0) 010 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Türkiye
phone +90 (0) 212 465 33 65
info@weicon.com.tr

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