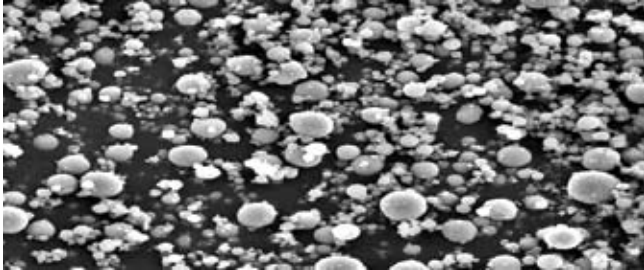




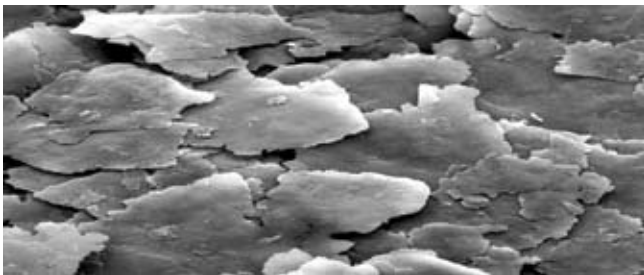
## Zinc Spray

Up until now, optimum corrosion protection was generally linked to a high zinc content in the coating. Spherical zinc pigments and a relatively high layer thickness formed the basis for this corrosion protection. The formulation of the „OLD“ WEICON Zinc Spray was matched to these requirements many years ago.



However today, further developments of corrosion protection primers based on zinc flakes enable considerably improved corrosion protection compared to what was possible in the past with spherical zinc dust.

The zinc flakes used in the new WEICON Zinc Spray have a large, specific surface geometry, and therefore a high barrier effect (shingle effect).



Even when the particles are shifted, the contact, conductivity and cathodic corrosion protection are maintained, as the pigments lie closely on each other in sheets. This is, among other things, also especially apparent due to the improved weldability of the coated metal surface.

In addition, the long diffusion paths result in an even greater resistance to environmental influences.

The penetration of water and moisture is considerably reduced, as the flakes have a strongly hydrophobic (water repelling) surface.

Further advantages result during application with regard to the sprayability due to reduced precipitation (sedimentation tendency). This has a positive effect particularly at low temperatures (below +5°C).

The surface of the coating is smoother and harder, resulting in improved adhesion and greater strength of the coating.

A combination of zinc and aluminium flake pigments with an especially high degree of purity (99.9 %) is used in the new WEICON Zinc Spray.

The quality of the pigments in the new WEICON Zinc Spray meets the demanding requirement profile of renowned industrial users. Long-term corrosion protection that even withstands a salt-spray test (DIN 53167 and DIN 50021) of more than 550 hours is the result.

The use of the new WEICON Zinc Spray also results in advantages for the appearance. The previous dull grey colour has been replaced by a bright metallic appearance (similar to that of „slightly weathered“ hot galvanising).

**CONCLUSION: A TOP corrosion protection now also in an adapted colour.**

## Technical Data

	Zinc Spray „improved formulation“	Zink-Spray „OLD“
Binder:	additive styrenated alkyd resin	modified alkyd resin
Pigment:	flaky zinc and aluminium pigments	spherical zinc pigments
Pigment purity:	99,9%	98,5%
Percentage of metal in dry film:	approx. 70%	approx. 92% Zink
Propellant:	dimethyl ether (DME)	propane/butane (P/B)
Can weight:	445 g	570 g
Specific weight:	1,30 – 1,40 g/cm <sup>3</sup>	2,2 – 2,4 g/cm <sup>3</sup>
Layer thickness with 1 ½ cross pattern:	approx. 30 - 50 µm	approx. 40 – 60 µm
Dust-dry:	15 minutes	30 minutes
Cross-cut coefficient:	Gt 0 (optimal)	Gt 0 to Gt 1 (good)
Salt spray test:	>550 h	>240 h
Finish coating:	not required	recommended
Surface structure:	Hydrophobic (water-repellent)	Hydrophillic (water-absorbing)
Shelf life:	18 – 24 months	12 - 18 months

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