

Zinc Flake technology delivers a high degree of corrosion protection through zinc–aluminium flake systems combined with specialized top coats.

Widely adopted by the automotive, construction, oil & gas and appliance industries. Applications range from fasteners such as screws, nuts, wheel studs, retaining clips, hose clamps and clips, to brake components for the automotive industry.

Zinc Flake offers a complete range of processes, including silver and black finishes for different application areas. The coatings are entirely free of Cr (VI) and meet global automotive industry requirements.

Properties and Benefits

- Silver or black base coat.
- Top coats for CoF (Coefficient of Friction) modification.
- Over 1,000 hours of neutral salt spray testing without red rust (base metal)*.
- No hydrogen embrittlement of the base metal.
- Automotive industry approvals.

Corrosion Resistance

Base Coating	Top Coat	Duration
8 µm	0 µm	720 hours*
10 µm	0 µm	1,000 hours*
8 µm	2 µm	Over 720 hours* + CoF modification.



*Base metal corrosion resistance, in accordance with ASTM B-117.



The process used is Zintek, a cross-reference equivalent to the Zinc Flake, Zinc Rich, Zinc Laminar and Zinc Lamellar processes from Dörken (Delta), NoF (Dacromet, Geomet) and Magni. Zintek holds multiple automotive industry approvals.